

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: August 6, 2004, 13:59:56 ; Search time 580.121 Seconds

(without alignments)
9931.007 Million cell updates/sec

Title: US-09-729-264-1

Perfect score: 1175

Sequence: 1 ctgtctgccatctgaataa.....gtaatacaactagtagtag 1175

Scoring table: IDENTITY NUC

Gapop 10.0 , Gapext 1.0

Searched: 3222919 seqs, 2451570024 residues

Total number of hits satisfying chosen parameters: 6445838

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Lasting first 45 summaries

Database : Published Applications NA:*

- 1: /cgn2_6/prodata/1/pubpna/US07_PUBCOMB.seq:*
- 2: /cgn2_6/prodata/1/pubpna/PCT_NEW_PUB.seq:*
- 3: /cgn2_6/prodata/1/pubpna/US06_NEW_PUB.seq:*
- 4: /cgn2_6/prodata/1/pubpna/US06_PUBCOMB.seq:*
- 5: /cgn2_6/prodata/1/pubpna/US07_NEW_PUB.seq:*
- 6: /cgn2_6/prodata/1/pubpna/PCTUS_PUBCOMB.seq:*
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- 8: /cgn2_6/prodata/1/pubpna/US08_PUBCOMB.seq:*
- 9: /cgn2_6/prodata/1/pubpna/US09A_PUBCOMB.seq:*
- 10: /cgn2_6/prodata/1/pubpna/US09B_PUBCOMB.seq:*
- 11: /cgn2_6/prodata/1/pubpna/US09C_PUBCOMB.seq:*
- 12: /cgn2_6/prodata/1/pubpna/US09_NEW_PUB.seq:*
- 13: /cgn2_6/prodata/1/pubpna/US09_NEW_PUB.seq:*
- 14: /cgn2_6/prodata/1/pubpna/US10A_PUBCOMB.seq:*
- 15: /cgn2_6/prodata/1/pubpna/US10B_PUBCOMB.seq:*
- 16: /cgn2_6/prodata/1/pubpna/US10C_PUBCOMB.seq:*
- 17: /cgn2_6/prodata/1/pubpna/US10_NEW_PUB.seq:*
- 18: /cgn2_6/prodata/1/pubpna/US60_NEW_PUB.seq:*
- 19: /cgn2_6/prodata/1/pubpna/US60_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1125.4	95.8	2051	16	US-10-104-047-1104
2	269	22.9	474	10	US-09-918-995-3342
3	190.4	16.2	401	9	US-09-864-761-16305
4	142	12.1	398	9	US-09-983-955-4945
5	50.6	4.3	775	13	US-10-424-599-16675
6	46	3.9	2706	13	US-10-620-514-4
7	46	3.9	3577	14	US-10-008-739A-1
8	46	3.9	11004	13	US-10-420-514-1
9	45	3.8	1097	13	US-10-424-599-10899
10	45	3.8	1511	17	US-10-437-963-61590
11	44.8	3.8	616	13	US-10-085-783A-1932
12	44.8	3.8	616	16	US-10-242-535A-1932
13	44.8	3.8	1310	9	US-09-849-243-13
14	44.8	3.8	1876	13	US-10-388-360-336

c 15	44.8	3.8	2614	10	US-09-822-846-491	Sequence 491, App
c 16	44.8	3.8	3263	9	US-09-849-243-15	Sequence 15, Appl
c 17	44.8	3.8	4286	9	US-09-849-243-14	Sequence 14, Appl
c 18	44.8	3.8	5085	15	US-10-138-846-9854	Sequence 9854, Ap
c 19	44.8	3.8	6604	9	US-09-880-107-1748	Sequence 1748, Ap
c 20	44.2	3.8	2790	15	US-10-029-386-22626	Sequence 22626, A
c 21	44.2	3.8	7568	16	US-10-133-937-60	Sequence 60, Appl
c 22	44.2	3.8	7568	16	US-10-159-563-60	Sequence 4844, Ap
c 23	44	3.7	299	10	US-09-814-353-4844	Sequence 11141, A
c 24	44	3.7	299	10	US-09-814-353-5368	Sequence 5368, Ap
c 25	44	3.7	385	10	US-09-814-353-11655	Sequence 11655, A
c 26	44	3.7	385	10	US-09-814-353-11655	Sequence 151, App
c 27	44	3.7	455	9	US-09-728-444-151	Sequence 11473, A
c 28	43.8	3.7	1810	13	US-10-425-114-11473	Sequence 91736, A
c 29	43.8	3.7	1825	13	US-10-424-599-91736	Sequence 1699, Ap
c 30	43.8	3.7	88232	13	US-10-087-192-1699	Sequence 22908, A
c 31	43.6	3.7	698	15	US-10-029-386-22908	Sequence 95848, A
c 32	43.6	3.7	1093	13	US-10-424-599-95648	Sequence 27295, A
c 33	43.6	3.7	4204	16	US-10-369-493-27295	Sequence 93, Appl
c 34	43.6	3.7	4321	13	US-10-058-270A-93	Sequence 418, App
c 35	43.6	3.7	4321	13	US-10-342-887-418	Sequence 418, App
c 36	43.6	3.7	4321	13	US-10-172-118-418	Sequence 35, Appl
c 37	43.6	3.7	4321	15	US-10-205-823-35	Sequence 10819, A
c 38	43.6	3.7	4393	15	US-10-198-846-10819	Sequence 544, App
c 39	43.4	3.7	384	9	US-09-738-626-544	Sequence 127608, A
c 40	43.4	3.7	1431	13	US-10-424-599-127608	Sequence 26238, A
c 41	43.4	3.7	2045	13	US-10-425-114-26238	Sequence 17, Appl
c 42	43.4	3.7	2421	17	US-10-655-799-17	Sequence 475, App
c 43	43.4	3.7	3302	15	US-10-037-270-475	Sequence 475, App
c 44	43.4	3.7	3302	16	US-10-117-722-475	Sequence 16, Appl
c 45	43.4	3.7	4188	17	US-10-473-670-16	

ALIGNMENTS

RESULT 1

US-10-104-047-1104
; Sequence 1104, Application US/10104047
; Publication No. US20030236392A1
; GENERAL INFORMATION:
; APPLICANT: HELIX RESEARCH INSTITUTE
; TITLE OF INVENTION: No. US20030236392A1e1 full length cDNA
; FILE REFERENCE: H1-A0105
; CURRENT APPLICATION NUMBER: US/10/104,047
; CURRENT FILING DATE: 2002-03-25
; PRIOR APPLICATION NUMBER:
; PRIOR FILING DATE:
; NUMBER OF SEQ ID NOS: 4096
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1104
; LENGTH: 2051
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-104-047-1104

Query Match	95.8%	Score 1125.4	DB 16	Length 2051
Best Local Similarity	99.9%	Pred. No. 0		
Matches 1126	Conservative 0	Mismatches 1	Indels 0	Gaps 0
Qy	49	ACGTTCTGGTCTGGTAATGAAGTCATAGAGGCCGCCAGATGCAACAGTCTCTGAAGG	108	
Db	201	ACGTTCTGGTCTGGTAATGAAGTCATAGAGGCCGCCAGATGCAACAGTCTCTGAAGG	260	
Qy	109	GTCCTCAGGCTCGTTCACATGCACCGTCTCCAGGGCTGGAGCTCATCATGTGGCTC	168	
Db	261	GTCCTCAGGCTCGTTCACATGCACCGTCTCCAGGGCTGGAGCTCATCATGTGGCTC	320	
Qy	169	TCAGTGACATGGTGTCTAAGCGTCAAGCGCCATGGAGCCCATCATCAACATCACCGCT	228	
Db	321	TCAGTGACATGGTGTGTAGCGTCAAGCGCCATGGAGCCCATCATCAACATCACCGCT	380	
Qy	229	TCACCTCTCAGAGGTACGACCCAGGGCGGGAACCTTCACCTCGGAGATGATCATCCACAATG	288	

Db 381 TCACCTCTCAGAGGTACGACGCGGGAACTTCACCTCGGAGATGATCATCCAAATG 440
QY TGGAGCCCACTGATTCGGGAAACATCAGATGACGCTCCAGACAGTCCGCTCATGGAT 348
Db 441 TGGAGCCCACTGATTCGGGAAACATCAGATGACGCTCCAGACAGTCCGCTCATGGAT 500
QY CTGCTTACCTTACCGTCCCAAGTTATGGGAGAGTCTTCACTCCAGTGTAACTTTGTAG 408
Db 501 CTGCTTACCTTACCGTCCCAAGTTATGGGAGAGTCTTCACTCCAGTGTAACTTTGTAG 560
QY TCGCTCAGATGACCTTGAAGTTACTTGTCTACCTCACTGACGCTCCCGG 468
Db 561 TCGCTCAGATGACCTTGAAGTTACTTGTCTACCTCACTGACGCTCCCGG 620
QY ATATTTCCTCGGAGCTCGGCTCTCTGCTGAGCATTCAAGCTATTATTTGTTCCGGAGC 528
Db 621 ATATTTCCTCGGAGCTCGGCTCTCTGCTGAGCATTCAAGCTATTATTTGTTCCGGAGC 680
QY CAGGAGACCTTCAAAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGT 588
Db 681 CAGGAGACCTTCAAAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGT 740
QY TGAATTCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 648
Db 741 TGAATTCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 800
QY CTGCTGATTCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 708
Db 801 CTGCTGATTCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 860
QY GTTATCCGAGTTAGTTTTCATTCCTCACTTGGGGGAAAGTGGACTTGGACTAGCAG 768
Db 861 GTTATCCGAGTTAGTTTTCATTCCTCACTTGGGGGAAAGTGGACTTGGACTAGCAG 920
QY GCACCATGCTTCTGACGCGAGTGTACTCTTACATACGCTGCTGCTGCTGCTGCTGCTGCT 828
Db 921 GCACCATGCTTCTGACGCGAGTGTACTCTTACATACGCTGCTGCTGCTGCTGCTGCTGCT 980
QY GTTGTGTGGCTGCAACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 888
Db 981 GTTGTGTGGCTGCAACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1040
QY TTCGTATTCAATTTCAAAAGAAATCTGAAAAGAGAGACAAACAAAGAACTGAGACAG 948
Db 1041 TTCGTATTCAATTTCAAAAGAAATCTGAAAAGAGAGACAAACAAAGAACTGAGACAG 1100
QY AAGGTGGAATGAAACTCCGCTCAATTCAGATGACAAAGACCAAGACCAAGACCAAGACCA 949
Db 1101 AAGGTGGAATGAAACTCCGCTCAATTCAGATGACAAAGACCAAGACCAAGACCAAGACCA 1160
QY CTCTCCCTCCCAATCTGTGAATCCAGTATCCTTGAACAAAGAAACAGTAGCTGTGGCC 1068
Db 1161 CTCTCCCTCCCAATCTGTGAATCCAGTATCCTTGAACAAAGAAACAGTAGCTGTGGCC 1220
QY CTCTCAGCAGGCGCTGATCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCA 1069
Db 1221 CTCTCAGCAGGCGCTGATCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCA 1280
QY TTAATCTGGCAGTCTGAGAGGTGAGTATACAACTGTAGTATAG 1175
Db 1281 TTAATCTGGCAGTCTGAGAGGTGAGTATACAACTGTAGTATAG 1327

RESULT 2

US-09-918-995-3342
; Sequence 3342, Application US/09918995
; Publication No. US20030073623A1
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc.
; TITLE OF INVENTION: NOVEL NUCLEIC ACID SEQUENCES OBTAINED
; FROM VARIOUS CDNA LIBRARIES
; FILE REFERENCE: 20411-756

; CURRENT APPLICATION NUMBER: US/09/918,995
; CURRENT FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: US/09/235,076
; PRIOR FILING DATE: 1999-01-20
; NUMBER OF SEQ ID NOS: 38054
; SOFTWARE: Fast-Seq for Windows Version 3.0
; SEQ ID NO 3342
; LENGTH: 474
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc.feature
; LOCATION: (1)..(474)
; OTHER INFORMATION: n = A, T, C or G
US-09-918-995-3342

Query Match 22.9%; Score 269; DB 10; Length 474;
Best Local Similarity 98.2%; Pred. No. 1.9e-71;
Matches 272; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 899 ATTTCAAAAGAAATCTGAAAAGAGAGACAAACAAAGAAACTGAGACAGAAAGTGGAAA 958
Db 54 ACTTTTAGGAAATCTGAAAAGAGAGACAAACAAAGAAACTGAGACAGAAAGTGGAAA 113
QY 959 TGAAAACTCCGGCTACAATTCAGATGAAACAAAAGACCAAGACCAAGTCTCTCCCTCC 1018
Db 114 TGAAAACTCCGGCTACAATTCAGATGAAACAAAAGACCAAGACCAAGTCTCTCCCTCC 173
QY 1019 CAAATCTGTGAATCAGTATCCTGAAACAAAGAAACAGTAGCTGTGGCCCTCTCCACCA 1078
Db 174 CAAATCTGTGAATCAGTATCCTGAAACAAAGAAACAGTAGCTGTGGCCCTCTCCACCA 233
QY 1079 GCGGCTGATCAACGTCCAGCCAGCCAGCCAGCCAGCCAGCCAGCCAGCCAGCCAGCC 1138
Db 234 GCGGCTGATCAACGTCCAGCCAGCCAGCCAGCCAGCCAGCCAGCCAGCCAGCCAGCC 293
QY 1139 CAGTCTCTGAGAGGTGAGTATACAACTGTAGTATAG 1175
Db 294 CAGTCTCTGAGAGGTGAGTATACAACTGTAGTATAG 330

RESULT 3

US-09-864-761-16305
; Sequence 16305, Application US/09864761
; Patent No. US20020048763A1
; GENERAL INFORMATION:
; APPLICANT: Penn, Sharon G.
; APPLICANT: Rank, David R.
; APPLICANT: Hanzel, David K.
; APPLICANT: Chen, Wensheng
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
; FILE REFERENCE: Aemica-X-1
; CURRENT APPLICATION NUMBER: US/09/864,761
; CURRENT FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/180,312
; PRIOR FILING DATE: 2000-02-04
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 09/632,366
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30

APPLICANT: Ostrowski, Jacek

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; TITLE OF INVENTION: UNDER THE REGULATION OF ANDROGEN RESPONSE ELEMENTS
; FILE REFERENCE: D0287 NP
; CURRENT APPLICATION NUMBER: US/10/620,514
; PRIOR FILING DATE: 2003-07-16
; PRIOR APPLICATION NUMBER: US 60/396,501
; PRIOR FILING DATE: 2002-07-17
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 4
; LENGTH: 2706
; TYPE: DNA
; ORGANISM: Rattus norvegicus
US-10-620-514-4

Query Match          3.9%; Score 46; DB 13; Length 2706;
Best Local Similarity 61.9%; Pred. No. 0.015;
Matches 73; Conservative 0; Mismatches 45; Indels 0; Gaps 0;

QY 762 CTAGCAGGCACCATGCTTCTGACGCCGACGTGTACTCTTACATACGCTGCTGCTGC 821
Db 632 CCAGTGGCCTCCCTTCTCTCAGCTGCTGCTCGCATATTACCTCCTGCTGCTGT 573

QY 822 CGCGTGTGTGTGTGGCTGCAACTGCTGCTGCCGTGTGTTCTGTGCTGTAAGAA 879
Db 572 TGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 515

RESULT 7
US-10-008-739A-1/c
; Sequence 1, Application US/10008739A
; Publication No. US20020161194A1
; GENERAL INFORMATION:
; APPLICANT: Pfizer Inc.
; APPLICANT: Castleberry, Tessa A.
; APPLICANT: Lu, Bihong
; APPLICANT: Owen, Thomas A.
; APPLICANT: Smock, Steven L.
; TITLE OF INVENTION: The Canine Androgen Receptor
; CURRENT APPLICATION NUMBER: US/10/008,739A
; CURRENT FILING DATE: 2002-04-15
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1
; LENGTH: 3577
; TYPE: DNA
; ORGANISM: Canine
US-10-008-739A-1

Query Match          3.9%; Score 46; DB 14; Length 3577;
Best Local Similarity 65.7%; Pred. No. 0.018;
Matches 67; Conservative 0; Mismatches 35; Indels 0; Gaps 0;

QY 776 GCTTCTGACGCCGACGTGTACTCTTACAAATACGCTGCTGCCGCCGTCGTTGTTG 835
Db 633 GCTGCTGTACTCTTCTGATACCTCTGCTGTTGCTGCTGCTGCTGCTGCTGTTGCTG 574

QY 836 TGGCTGCAACTGCTGCTGCCGTTGTTGTTCTGCTGTAGAG 877
Db 573 TTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 532

RESULT 8
US-10-620-514-1
; Sequence 1, Application US/10620514
; Publication No. US20040068762A1
; GENERAL INFORMATION:
; APPLICANT: Attar, Ricardo M.
; APPLICANT: Bol, David K.
; APPLICANT: Gottardis, Marco
; APPLICANT: Mookhtiar, Kasim
; APPLICANT: Rowley, Ronald B.
; APPLICANT: Ostrowski, Jacek
```

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; TITLE OF INVENTION: TRANSGENIC NON-HUMAN MAMMALS EXPRESSING A REPORTER NUCLEIC ACID
; FILE REFERENCE: D0287 NP
; CURRENT APPLICATION NUMBER: US/10/620,514
; PRIOR FILING DATE: 2003-07-16
; PRIOR APPLICATION NUMBER: US 60/396,501
; PRIOR FILING DATE: 2002-07-17
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 1
; LENGTH: 11004
; TYPE: DNA
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: artificial nucleic acid construct
US-10-620-514-1

Query Match          3.9%; Score 46; DB 13; Length 11004;
Best Local Similarity 61.9%; Pred. No. 0.039;
Matches 73; Conservative 0; Mismatches 45; Indels 0; Gaps 0;

QY 762 CTAGCAGGCACCATGCTTCTGACGCCGACGTGTACTCTTACAAATACGCTGCTGCTGC 821
Db 10641 CCAGTGGCCTCCCTTCTCTCAGCTGCTGCTGCTCGATATTACCTCCTGCTGCTGT 10700

QY 822 CGCGTGTGTGTGTGGCTGCAACTGCTGCTGCCGTTGTTCTGCTGTAGAGAA 879
Db 10701 TGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 10758

RESULT 9
US-10-424-599-10899/c
; Sequence 10899, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovalic David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 10899
; LENGTH: 1097
; TYPE: DNA
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_109851C.1
US-10-424-599-10899

Query Match          3.8%; Score 45; DB 13; Length 1097;
Best Local Similarity 83.6%; Pred. No. 0.017;
Matches 51; Conservative 0; Mismatches 10; Indels 0; Gaps 0;

QY 808 GCTGCTGCTGCTGCCGCTGTTGTTGCTGCTGCAACTGCTGCTGCTGCTGCTGCTTCT 867
Db 548 GCTGCTGCTGCTGCTGCTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGCT 489

QY 868 G 868
Db 488 G 488

RESULT 10
US-10-437-963-61590
; Sequence 61590, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
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; INFORMATION FOR SEQ ID NO: 13:
; SEQUENCE CHARACTERISTICS:
;   LENGTH: 1310 base pairs
;   TYPE: nucleic acid
;   STRANDEDNESS: single
;   TOPOLOGY: linear
;   MOLECULE TYPE: cDNA
;   FEATURE:
;     NAME/KEY: exon
;     LOCATION: 1..1310
;   SEQUENCE DESCRIPTION: SEQ ID NO: 13:
US-09-849-243-13

Query Match          3.8%; Score 44.8; DB 9; Length 1310;
Best Local Similarity 81.2%; Pred. No. 0.022;
Matches 52; Conservative 0; Mismatches 12; Indels 0; Gaps 0;

QY 808 GCTGCTGCTGCGCGCGCTGCTGTTGTTGGCTGCAACTGCTGCGCGCTGTTGTTCT 867
      |||||
Db 336 GCTGCTGCTGCTGTTGCTGTTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 277

QY 868 GCTG 871
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Db 276 GCTG 273

RESULT 14
US-10-388-360-336/c
; Sequence 336, Application US/10388360
; Publication No. US2003022528A1
; GENERAL INFORMATION:
; APPLICANT: GENOMIC HEALTH
; APPLICANT: Baker, Joffre B.
; APPLICANT: Cronin, Maureen T.
; APPLICANT: Kiefer, Michael C.
; APPLICANT: Shak, Steve
; APPLICANT: Walker, Michael Graham
; TITLE OF INVENTION: GENE EXPRESSION PROFILING IN BIOPSIED TUMOR TISSUES
; FILE REFERENCE: 39740-0001US
; CURRENT APPLICATION NUMBER: US/10/388,360
; CURRENT FILING DATE: 2003-03-12
; PRIOR APPLICATION NUMBER: US 60/412,049
; PRIOR FILING DATE: 2002-09-18
; PRIOR APPLICATION NUMBER: US 60/364,890
; PRIOR FILING DATE: 2002-03-13
; NUMBER OF SEQ ID NOS: 384
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 336
; LENGTH: 1876
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-388-360-336

Query Match          3.8%; Score 44.8; DB 13; Length 1876;
Best Local Similarity 81.2%; Pred. No. 0.028;
Matches 52; Conservative 0; Mismatches 12; Indels 0; Gaps 0;

QY 808 GCTGCTGCTGCGCGCGCTGCTGTTGTTGGCTGCAACTGCTGCGCGCTGTTGTTCT 867
      |||||
Db 479 GCTGCTGCTGCTGTTGCTGTTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 420

QY 868 GCTG 871
      ||||
Db 419 GCTG 416

RESULT 15
US-09-822-846-491/c
; Sequence 491, Application US/09822846
; Publication No. US20030027139A1
; GENERAL INFORMATION:
; APPLICANT: Jacobs, Kenneth
; APPLICANT: McCoy, John M.
```

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; APPLICANT: LaVallie, Edward R.
; APPLICANT: Collins-Racie, Lisa A.
; APPLICANT: Evans, Cheryl
; APPLICANT: Merberg, David
; APPLICANT: Treacy, Maurice
; APPLICANT: Agostino, Michael J.
; APPLICANT: Steining II, Robert J.
; APPLICANT: Bowman, Michael R.
; APPLICANT: Spaulding, Vikki
; APPLICANT: Wong, Gordon G.
; APPLICANT: Clark, Hilary
; APPLICANT: Fechtel, Kim
; APPLICANT: Howes, Steven H.
; APPLICANT: Resnick, Richard J.
; APPLICANT: Gulukota, Kamalakara
; APPLICANT: Graham, James R.
; APPLICANT: Genetics Institute, Inc.
; TITLE OF INVENTION: POLYNUCLEOTIDES ENCODING NOVEL SECRETED PROTEINS
; FILE REFERENCE: GIN 6400
; CURRENT APPLICATION NUMBER: US/09/822,846
; CURRENT FILING DATE: 2001-03-29
; PRIOR APPLICATION NUMBER: 60/195,605
; PRIOR FILING DATE: 2000-04-06
; NUMBER OF SEQ ID NOS: 629
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 491
; LENGTH: 2614
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-822-846-491

Query Match          3.8%; Score 44.8; DB 10; Length 2614;
Best Local Similarity 76.4%; Pred. No. 0.035;
Matches 55; Conservative 0; Mismatches 17; Indels 0; Gaps 0;

QY 808 GCTGCTGCTGCTGCGCGCGCTGCTGTTGTTGGCTGCAACTGCTGCTGCGCGCTGTTCT 867
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Db 2179 GCTGTTGCTGCTGCTGCTGTTGTTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 2120

QY 868 GCTGTAGAAGAA 879
      |||||
Db 2119 GCTGCTGCCGCA 2108

Search completed: August 6, 2004, 19:28:58
Job time : 582.121 secs
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GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.
OM nucleic - nucleic search, using sw model
Run on: August 6, 2004, 13:59:56 ; Search time 576.665 Seconds
(without alignments)
9931.007 Million cell updates/sec

Title: US-09-729-264-3
Perfect score: 1168
Sequence: 1 agtgcacgtgtggcaggag.....gtaatacaactgtagtatag 1168

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 3222919 seqs, 2451570024 residues

Total number of hits satisfying chosen parameters: 6445838

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications NA:*

1:	/cgn2_6/ptodata/1/pubpna/US07_PUBCOMB.seq:
2:	/cgn2_6/ptodata/1/pubpna/PCT_NEW_PUB.seq:
3:	/cgn2_6/ptodata/1/pubpna/US05_NEW_PUB.seq:
4:	/cgn2_6/ptodata/1/pubpna/US06_PUBCOMB.seq:
5:	/cgn2_6/ptodata/1/pubpna/US07_NEW_PUB.seq:
6:	/cgn2_6/ptodata/1/pubpna/PCTUS_PUBCOMB.seq:
7:	/cgn2_6/ptodata/1/pubpna/US08_NEW_PUB.seq:
8:	/cgn2_6/ptodata/1/pubpna/US09_PUBCOMB.seq:
9:	/cgn2_6/ptodata/1/pubpna/US09A_PUBCOMB.seq:
10:	/cgn2_6/ptodata/1/pubpna/US09B_PUBCOMB.seq:
11:	/cgn2_6/ptodata/1/pubpna/US09C_PUBCOMB.seq:
12:	/cgn2_6/ptodata/1/pubpna/US09_NEW_PUB.seq:
13:	/cgn2_6/ptodata/1/pubpna/US09A_PUBCOMB.seq:
14:	/cgn2_6/ptodata/1/pubpna/US10A_PUBCOMB.seq:
15:	/cgn2_6/ptodata/1/pubpna/US10B_PUBCOMB.seq:
16:	/cgn2_6/ptodata/1/pubpna/US10C_PUBCOMB.seq:
17:	/cgn2_6/ptodata/1/pubpna/US10_NEW_PUB.seq:
18:	/cgn2_6/ptodata/1/pubpna/US60_NEW_PUB.seq:
19:	/cgn2_6/ptodata/1/pubpna/US60_PUBCOMB.seq:

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1119.6	95.9	2051	16	US-10-104-047-1104
2	269	23.0	474	10	US-09-918-995-3342
3	196.8	16.8	401	9	US-09-864-761-16305
4	136.2	11.7	398	9	US-09-993-965-4945
5	50.6	4.3	775	13	US-10-424-599-16675
6	46	3.9	2706	13	US-10-620-514-4
7	46	3.9	3577	14	US-10-008-739A-1
8	46	3.9	11004	13	US-10-620-514-1
9	45	3.9	1097	13	US-10-424-599-10899
10	45	3.9	1511	17	US-10-437-963-61590
11	44.8	3.8	616	13	US-10-085-783A-1932
12	44.8	3.8	616	16	US-10-242-535A-1932
13	44.8	3.8	1310	9	US-09-849-243-13
14	44.8	3.8	1876	13	US-10-388-360-336

C 15	44.8	3.8	2614	10	US-09-822-846-491	Sequence 491, Appl
C 16	44.8	3.8	3263	9	US-09-849-243-15	Sequence 15, Appl
C 17	44.8	3.8	4286	9	US-09-849-243-14	Sequence 14, Appl
C 18	44.8	3.8	5085	15	US-10-198-846-9854	Sequence 9854, Ap
C 19	44.8	3.8	6604	9	US-09-880-107-1748	Sequence 1748, Ap
C 20	44.2	3.8	2790	15	US-10-029-386-22626	Sequence 22626, A
C 21	44.2	3.8	7568	16	US-10-133-937-60	Sequence 60, Appl
C 22	44.2	3.8	7568	16	US-10-159-563-60	Sequence 60, Appl
C 23	44	3.8	299	10	US-09-814-353-4844	Sequence 4844, Ap
C 24	44	3.8	299	10	US-09-814-353-11141	Sequence 11141, A
C 25	44	3.8	385	10	US-09-814-353-5368	Sequence 5368, Ap
C 26	44	3.8	385	10	US-09-814-353-11655	Sequence 11655, A
C 27	44	3.8	455	9	US-09-728-444-151	Sequence 151, Appl
C 28	43.8	3.8	1810	13	US-10-425-114-11473	Sequence 11473, A
C 29	43.8	3.8	1825	13	US-10-424-599-91736	Sequence 91736, A
C 30	43.8	3.8	8232	13	US-10-087-132-1699	Sequence 1699, Ap
C 31	43.6	3.7	698	15	US-10-029-386-22908	Sequence 22908, A
C 32	43.6	3.7	1093	13	US-10-424-599-95648	Sequence 95648, A
C 33	43.6	3.7	4204	16	US-10-369-493-27295	Sequence 27295, A
C 34	43.6	3.7	4321	13	US-10-058-270A-93	Sequence 93, Appl
C 35	43.6	3.7	4321	13	US-10-342-887-418	Sequence 418, Appl
C 36	43.6	3.7	4321	13	US-10-172-118-418	Sequence 418, Appl
C 37	43.6	3.7	4321	15	US-10-205-823-35	Sequence 35, Appl
C 38	43.6	3.7	4393	15	US-10-198-846-10819	Sequence 10819, A
C 39	43.4	3.7	384	9	US-09-738-626-544	Sequence 544, Appl
C 40	43.4	3.7	1431	13	US-10-424-599-127608	Sequence 127608, A
C 41	43.4	3.7	2045	13	US-10-425-114-26238	Sequence 26238, A
C 42	43.4	3.7	2421	17	US-10-655-799-17	Sequence 17, Appl
C 43	43.4	3.7	3302	15	US-10-037-270-475	Sequence 475, Appl
C 44	43.4	3.7	3302	16	US-10-117-722-475	Sequence 475, Appl
C 45	43.4	3.7	4188	17	US-10-473-670-16	Sequence 16, Appl

ALIGNMENTS

RESULT 1

US-10-104-047-1104
; Sequence 1104, Application US/10104047
; Publication No. US20030236392A1
; GENERAL INFORMATION:
; APPLICANT: HELIX RESEARCH INSTITUTE
; TITLE OF INVENTION: No. US20030236392A1e1 full length cdna
; FILE REFERENCE: H1-A0105
; CURRENT APPLICATION NUMBER: US/10/104,047
; CURRENT FILING DATE: 2002-03-25
; PRIOR APPLICATION NUMBER:
; PRIOR FILING DATE:
; NUMBER OF SEQ ID NOS: 4096
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1104
; LENGTH: 2051
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-104-047-1104

Query Match	95.9%;	Score	1119.6;	DB	16;	Length	2051;
Best Local Similarity	99.8%;	Pred. No.	0;	Mismatches	4;	Indels	0;
Matches	1122;	Conservative	0;	Gaps	0;		
QY	43	CGGTTCTGGGTC	CGGTTCTGGGTC	CGGTTCTGGGTC	CGGTTCTGGGTC	CGGTTCTGGGTC	CGGTTCTGGGTC
DB	202	CGGTTCTGGGTC	CGGTTCTGGGTC	CGGTTCTGGGTC	CGGTTCTGGGTC	CGGTTCTGGGTC	CGGTTCTGGGTC
QY	103	CTCCAGGTCGGT	CTCCAGGTCGGT	CTCCAGGTCGGT	CTCCAGGTCGGT	CTCCAGGTCGGT	CTCCAGGTCGGT
DB	262	CTCCAGGTCGGT	CTCCAGGTCGGT	CTCCAGGTCGGT	CTCCAGGTCGGT	CTCCAGGTCGGT	CTCCAGGTCGGT
QY	163	CAGTGACATGGT	CAGTGACATGGT	CAGTGACATGGT	CAGTGACATGGT	CAGTGACATGGT	CAGTGACATGGT
DB	322	CAGTGACATGGT	CAGTGACATGGT	CAGTGACATGGT	CAGTGACATGGT	CAGTGACATGGT	CAGTGACATGGT
QY	223	CACCTCTCAGAGT	CACCTCTCAGAGT	CACCTCTCAGAGT	CACCTCTCAGAGT	CACCTCTCAGAGT	CACCTCTCAGAGT

Db 382 CACCTCTCAGAGGTACGACAGCGGGAACTTCACTCGAGATGATCATCCAAATGT 441
Qy 283 GGAGCCCACTGATTCGGGGACATCAGATGAGCTCCAGACAGTCCGCTGCTGATC 342
Db 442 GGAGCCCACTGATTCGGGGAACTCAGATGAGCTCCAGACAGTCCGCTGCTGATC 501
Qy 343 TGCTTACCTTACCGTCCAAAGTTATCGGAGAGCTGTTTCACTCCAGTGTAACTTTGTAGT 402
Db 502 TGCTTACCTTACCGTCCAAAGTTATCGGAGAGCTGTTTCACTCCAGTGTAACTTTGTAGT 561
Qy 403 CGCTCAGAAATGAACCTTGTGAAGTTACTTGTCTACCTCAGCTGAGCTCCCGGA 462
Db 562 CGCTCAGAAATGAACCTTGTGAAGTTACTTGTCTACCTCAGCTGAGCTCCCGGA 621
Qy 463 TATTTCTCGGAGCTCGCTCTCGTCTGAGCTTCACTCAGCTTATTTTGTCCGAGCC 522
Db 622 TATTTCTCGGAGCTCGCTCTCGTCTGAGCTTCACTCAGCTTATTTTGTCCGAGCC 681
Qy 523 CAGGACCTTCAAAAGTGCAGTGCAGTCTCTGCTCTGACCCACAGAGCAATGGACTTT 582
Db 682 CAGGACCTTCAAAAGTGCAGTGCAGTCTCTGCTCTGACCCACAGAGCAATGGACTTT 741
Qy 583 GACTTGGTGGCTACTCTGAGAGCTGAGGCGCGAAGTCTGCAACTGTAATCTCAC 642
Db 742 GACTTGGTGGCTACTCTGAGAGCTGAGGCGCGAAGTCTGCAACTGTAATCTCAC 801
Qy 643 TGTGATTCGGTGTCCCAAGACACTGAGGTTGTTTATTAATTCAGGTTATTAATCAAG 702
Db 802 TGTGATTCGGTGTCCCAAGACACTGAGGTTGTTTATTAATTCAGGTTATTAATCAAG 861
Qy 703 TTTACCGAGTTTGTAGTTTTTCACTTGGCTTGGGCGAAAGTTGCACTAGCAGG 762
Db 862 TTTACCGAGTTTGTAGTTTTTCACTTGGCTTGGGCGAAAGTTGCACTAGCAGG 921
Qy 763 CACCATGCTTCTGAGCGGAGTGTACTTACAAATAGCTGCTGCTGCTGCGCGCGTGC 822
Db 922 CACCATGCTTCTGAGCGGAGTGTACTTACAAATAGCTGCTGCTGCTGCGCGCGTGC 981
Qy 823 TGTGTTGGCTGCAACTGCTGCTGCGTGTGTTTCTGCTGAGAAAGAGGAT 882
Db 982 TGTGTTGGCTGCAACTGCTGCTGCGTGTGTTTCTGCTGAGAAAGAGGAT 1041
Qy 883 TCGTATTCAAATTCAAAAGAAATCTGAAAAGAGAGAGCAACAAGAAACTGAGACAGA 942
Db 1042 TCGTATTCAAATTCAAAAGAAATCTGAAAAGAGAGAGCAACAAGAAACTGAGACAGA 1101
Qy 943 AAGTGGAAATGAAACTCGGCTACAAATCAGATGAAACAAAGAGACACAGCGCTTC 1002
Db 1102 AAGTGGAAATGAAACTCGGCTACAAATCAGATGAAACAAAGAGACACAGCGCTTC 1161
Qy 1003 TCTCCCTCCCAATCCTGTGAATCCAGTGCCTGAAACAAAGAAACAGTAGTGTGGCCC 1062
Db 1162 TCTCCCTCCCAATCCTGTGAATCCAGTGCCTGAAACAAAGAAACAGTAGTGTGGCCC 1221
Qy 1063 TCCTCAGCGGGGTGATCAACGTCACCCAGCGGACAGTCAATCCAGGCTTCTTT 1122
Db 1222 TCCTCAGCGGGGTGATCAACGTCACCCAGCGGACAGTCAATCCAGGCTTCTTT 1281
Qy 1123 TAATCTGCCAGTCTCTGAGAGGTCAGTAATACACTAGTATAG 1168
Db 1282 TAATCTGCCAGTCTCTGAGAGGTCAGTAATACACTAGTATAG 1327

RESULT 2
US-09-918-995-3342
; Sequence 3342, Application US/09918995
; Publication No. US20030073623A1
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc.
; TITLE OF INVENTION: NOVEL NUCLEIC ACID SEQUENCES OBTAINED
; FROM VARIOUS CDNA LIBRARIES
; FILE REFERENCE: 20411-756

; CURRENT APPLICATION NUMBER: US/09/918,995
; CURRENT FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: US/09/235,076
; PRIOR FILING DATE: 1999-01-20
; NUMBER OF SEQ ID NOS: 38054
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 3342
; LENGTH: 474
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)...(474)
; OTHER INFORMATION: n = A,T,C or G
US-09-918-995-3342

Query Match 23.0%; Score 269; DB 10; Length 474;
Best Local Similarity 98.2%; Pred. No. 1.2e-71;
Matches 272; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

Qy 892 ATTTCAAAGAAATCTGAAAAGAGAGACAAACAAAGAACTGAGACAGAAAGTGGAAA 951
Db 54 ACTTTTAAGAAATCTGAAAAGAGAGACAAACAAAGAACTGAGACAGAAAGTGGAAA 113
Qy 952 TGAAAACCTCCGGCTACAATTCAGATGAAACAAAGAACACACAGACCGCTTCTCCCTCC 1011
Db 114 TGAAAACCTCCGGCTACAATTCAGATGAAACAAAGAACACACAGACCGCTTCTCCCTCC 173
Qy 1012 CAAATCCTGTGAATTCAGTGTATCTGAAACAAAGAAACAGTAGCTGTGGCCCTCTCACC 1071
Db 174 CAAATCCTGTGAATTCAGTGTATCTGAAACAAAGAAACAGTAGCTGTGGCCCTCTCACC 233
Qy 1072 CGGGCTCATCAACCTCCACCGCCAGCCAGTCAATCCAGAGGCTTCTTTAACTGCG 1131
Db 234 CGGGCTCATCAACCTCCACCGCCAGCCAGTCAATCCAGAGGCTTCTTTAACTGCG 293
Qy 1132 CAGTCTCAGAGGTCAGTAATACAACTGTAGTATAG 1168
Db 294 CAGTCTCAGAGGTCAGTAATACAACTGTAGTATAG 330

RESULT 3
US-09-864-761-16305
; Sequence 16305, Application US/09864761
; Patent No. US20020048763A1
; GENERAL INFORMATION:
; APPLICANT: Penn, Sharon G.
; APPLICANT: Rank, David R.
; APPLICANT: Hanzel, David K.
; APPLICANT: Chen, Wensheng
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
; FILE REFERENCE: Aeomica-X-1
; CURRENT APPLICATION NUMBER: US/09/864,761
; CURRENT FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/180,312
; PRIOR FILING DATE: 2000-02-04
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 09/632,366
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30

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; FEATURE:  
; OTHER INFORMATION: Clone ID: 26-LIB34-017-Q1-E1-G9  
US-09-983-965-4945
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Query Match 11.7%; Score 136.2; DB 9; Length 398;
Best Local Similarity 77.5%; Pred. No. 7.3e-31;
Matches 165; Conservative 0; Mismatches 48; Indels 0; Gaps 0;

QY 42 CCGGTTCTGGGTCTGTAATCAAGTTCATAAGAGCCGCCAAATGCAAGAGTGCAAGAGTCTGAAGG 101
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 186 CAGCCTGTGGATCCAGCAGTGAATCATAGAGGTCACCAAGAATGTACAGCCCTGAAGG 245
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
QY 102 GCTCCCAGGCTCGTTCACACTGACCGTCTCCAGGCTGGAAGTCAATCATATGCGGCTC 161
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 246 GCTCGAGGCTCGCTTCAACTGCACCATCTCGCAGGCTGGAAGTCTGTCATGTTGGCTC 305
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
QY 162 TCAGTGACATGTCGTCTAAGCGTCAGGCGCCATGAGGCCATCATCACCAATGACCGCT 221
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 306 TGAGAGGCACAGTGTGCTGAGCATGACACCTATGAGACCATCATCACCAGTGACCGCT 365
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
QY 222 TCACCTCTCAGAGGTACGACCCAGGCGGGAAGT 254
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 366 TCACTTCGGCAAGCTACCAAGAGGCGCGGAAGT 398
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

RESULT 5
US-10-424-599-16675/c
; Sequence 16675, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovalic David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 16675
; LENGTH: 775
; TYPE: DNA
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_115063C.1
US-10-424-599-16675

Query Match 4.3%; Score 50.6; DB 13; Length 775;
Best Local Similarity 73.0%; Pred. No. 0.00024;
Matches 65; Conservative 0; Mismatches 24; Indels 0; Gaps 0;

QY 801 GCTGCTGCTGCTGCGCGCTGCTGTTGTTGCTGCAACTGCTGCTGCTGCTGCTGCTGCTGCT 860
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 710 GTTGCTGCTGCTGCTGCTGCTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTT 651
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
QY 861 GCTGTAGAAGAAAAAGAGGATTTCGATT 889
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 650 GCT 622
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

RESULT 6
US-10-620-514-4/c
; Sequence 4, Application US/10620514
; Publication No. US20040068762A1
; GENERAL INFORMATION:
; APPLICANT: Attar, Ricardo M.
; APPLICANT: Bol, David K.
; APPLICANT: Gottardis, Marco
; APPLICANT: Mookhtiar, Kasim
; APPLICANT: Rowley, Ronald B.
; APPLICANT: Ostrowski, Jaccek
; TITLE OF INVENTION: TRANSGENIC NON-HUMAN MAMMALS EXPRESSING A REPORTER NUCLEIC ACID

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; TITLE OF INVENTION: UNDER THE REGULATION OF ANDROGEN RESPONSE ELEMENTS
; FILE REFERENCE: D0287 NP
; CURRENT APPLICATION NUMBER: US/10/620,514
; CURRENT FILING DATE: 2003-07-16
; PRIOR APPLICATION NUMBER: US 60/396,501
; PRIOR FILING DATE: 2002-07-17
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 4
; LENGTH: 2706
; TYPE: DNA
; ORGANISM: Rattus norvegicus
US-10-620-514-4

Query Match          3.9%; Score 46; DB 13; Length 2706;
Best Local Similarity 61.9%; Pred. No. 0.014;
Matches 73; Conservative 0; Mismatches 45; Indels 0; Gaps 0;

QY 755 CTAGCAGGACCATGCTTCTGACGCGACGTGTACTTTACAATACGCTGCTGCTGC 814
Db 632 CCAGTGGCCTCCCTTGCTCTACGCTGTGCTGCTCGGATATTACCTCCTGCTGCTGT 573

QY 815 CGCGCTGCTGTGTGGCTGCAACTGCTGCTGCCCTGCTGCTGCTGTAGAGAA 872
Db 572 TGTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 515

RESULT 7
US-10-008-739A-1/c
; Sequence 1, Application US/10008739A
; Publication No. US20020161194A1
; GENERAL INFORMATION:
; APPLICANT: Pfizer Inc.
; APPLICANT: Castleberry, Tessa A.
; APPLICANT: Lu, Bihong
; APPLICANT: Owen, Thomas A.
; APPLICANT: Smock, Steven L.
; TITLE OF INVENTION: The Canine Androgen Receptor
; FILE REFERENCE: PC10893AGR
; CURRENT APPLICATION NUMBER: US/10/008,739A
; CURRENT FILING DATE: 2002-04-15
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1
; LENGTH: 3577
; TYPE: DNA
; ORGANISM: Canine
US-10-008-739A-1

Query Match          3.9%; Score 46; DB 14; Length 3577;
Best Local Similarity 65.7%; Pred. No. 0.017;
Matches 67; Conservative 0; Mismatches 35; Indels 0; Gaps 0;

QY 769 GCTTCTGACGCGACGTGTACTTTACAATACGCTGCTGCTGCCCGCTGCTGTTG 828
Db 633 GCTGCTGTACTTCTGTATTAACCTCTGCTGTGCTGCTGCTGCTGCTGCTGCTG 574

QY 829 TGGTGCACACTGCTGCTGCCGCTGTGTTGTTTCTGCTGTAGAG 870
Db 573 TTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 532

RESULT 8
US-10-620-514-1
; Sequence 1, Application US/10620514
; Publication No. US20040068762A1
; GENERAL INFORMATION:
; APPLICANT: Actar, Ricardo M.
; APPLICANT: Bol, David K.
; APPLICANT: Gottardis, Marco
; APPLICANT: Mookhtiar, Kasim
; APPLICANT: Rowley, Ronald B.
; APPLICANT: Ostrowski, Jacek
```

```
; TITLE OF INVENTION: TRANSGENIC NON-HUMAN MAMMALS EXPRESSING A REPORTER NUCLEIC ACID
; FILE REFERENCE: D0287 NP
; CURRENT APPLICATION NUMBER: US/10/620,514
; CURRENT FILING DATE: 2003-07-16
; PRIOR APPLICATION NUMBER: US 60/396,501
; PRIOR FILING DATE: 2002-07-17
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 1
; LENGTH: 11004
; TYPE: DNA
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: artificial nucleic acid construct
US-10-620-514-1

Query Match          3.9%; Score 46; DB 13; Length 11004;
Best Local Similarity 61.9%; Pred. No. 0.036;
Matches 73; Conservative 0; Mismatches 45; Indels 0; Gaps 0;

QY 755 CTAGCAGGACCATGCTTCTGACGCGACGTGTACTTTACAATACGCTGCTGCTGC 814
Db 10641 CCAGTGGCCTCCCTTGCTCTCACGCTGCTGCTGCTCGGATATTACCTCCTGCTGCTGT 10700

QY 815 CGCGCTGCTGTGTGGCTGCAACTGCTGCTGCCCTGCTGCTGCTGTAGAGAA 872
Db 10701 TGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 10758

RESULT 9
US-10-424-599-10899/c
; Sequence 10899, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovalic David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 10899
; LENGTH: 1097
; TYPE: DNA
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_109851C.1
US-10-424-599-10899

Query Match          3.9%; Score 45; DB 13; Length 1097;
Best Local Similarity 83.6%; Pred. No. 0.016;
Matches 51; Conservative 0; Mismatches 10; Indels 0; Gaps 0;

QY 801 GCTGCTGCTGCTGCCGCGTGTGTTGTTGCTGCTGCAACTGCTGCTGCCGTTGTTTCT 860
Db 548 GCTGCTGCTGCTGCTGCTGTTGTTGTTGTTGCTGCTGCTGCTGCTGCTGCTGCT 489

QY 861 G 861
Db 488 G 488

RESULT 10
US-10-437-963-61590
; Sequence 61590, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
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; INFORMATION FOR SEQ ID NO: 13:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1310 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; FEATURE:
; NAME/KEY: exon
; LOCATION: 1..1310
; SEQUENCE DESCRIPTION: SEQ ID NO: 13:
US-09-849-243-13

Query Match      3.8%; Score 44.8; DB 9; Length 1310;
Best Local Similarity 81.2%; Pred. No. 0.021; 0; Mismatches 12; Indels 0; Gaps 0;
Matches 52; Conservative

QY 801 GCTGCTGCTGCGCGCGTGTGTTGGTGTGCAACTGCTGCGCGTGTGTTTCT 860
Db 336 GCTGCTGCTGCTGTTGCTGTTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 277
QY 861 GCTG 864
Db 276 GCTG 273

RESULT 14
US-10-388-360-336/c
; Sequence 336, Application US/10388360
; Publication No. US20030225528A1
; GENERAL INFORMATION:
; APPLICANT: GENOMIC HEALTH
; APPLICANT: Baker, Jofire B.
; APPLICANT: Cronin, Maureen T.
; APPLICANT: Kiefer, Michael C.
; APPLICANT: Shak, Steve
; APPLICANT: Walker, Michael Graham
; TITLE OF INVENTION: GENE EXPRESSION PROFILING IN BIOPSIED TUMOR TISSUES
; FILE REFERENCE: 39740-0001US
; CURRENT APPLICATION NUMBER: US/10/388,360
; CURRENT FILING DATE: 2003-03-12
; PRIOR APPLICATION NUMBER: US 60/412,049
; PRIOR FILING DATE: 2002-09-18
; PRIOR APPLICATION NUMBER: US 60/364,890
; PRIOR FILING DATE: 2002-03-13
; NUMBER OF SEQ ID NOS: 384
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 336
; LENGTH: 1876
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-388-360-336

Query Match      3.8%; Score 44.8; DB 13; Length 1876;
Best Local Similarity 81.2%; Pred. No. 0.026; 0; Mismatches 12; Indels 0; Gaps 0;
Matches 52; Conservative

QY 801 GCTGCTGCTGCGCGCGTGTGTTGGTGTGCAACTGCTGCGCGTGTGTTTCT 860
Db 479 GCTGCTGCTGCTGTTGCTGTTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 420
QY 861 GCTG 864
Db 419 GCTG 416

RESULT 15
US-09-822-846-491/c
; Sequence 491, Application US/09822846
; Publication No. US20030027139A1
; GENERAL INFORMATION:
; APPLICANT: Jacobs, Kenneth
; APPLICANT: McCoy, John M.
```

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; APPLICANT: LaVallie, Edward R.
; APPLICANT: Collins-Racie, Lisa A.
; APPLICANT: Evans, Cheryl
; APPLICANT: Merberg, David
; APPLICANT: Treacy, Maurice
; APPLICANT: Agostino, Michael J.
; APPLICANT: Steiningger II, Robert J.
; APPLICANT: Bowman, Michael R.
; APPLICANT: Spaulding, Vikki
; APPLICANT: Wong, Gordon G.
; APPLICANT: Clark, Hilary
; APPLICANT: Fechtel, Kim
; APPLICANT: Howes, Steven H.
; APPLICANT: Resnick, Richard J.
; APPLICANT: Gulukota, Kamalakara
; APPLICANT: Graham, James R.
; APPLICANT: Genetics Institute, Inc.
; TITLE OF INVENTION: POLYNUCLEOTIDES ENCODING NOVEL SECRETED PROTEINS
; FILE REFERENCE: GIN 6400
; CURRENT APPLICATION NUMBER: US/09/822,846
; CURRENT FILING DATE: 2001-03-29
; PRIOR APPLICATION NUMBER: 60/195,605
; PRIOR FILING DATE: 2000-04-06
; NUMBER OF SEQ ID NOS: 629
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 491
; LENGTH: 2614
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-822-846-491

Query Match      3.8%; Score 44.8; DB 10; Length 2614;
Best Local Similarity 76.4%; Pred. No. 0.033; 0; Mismatches 17; Indels 0; Gaps 0;
Matches 55; Conservative

QY 801 GCTGCTGCTGCTGCGCGCGTGTGTTGGTGTGCAACTGCTGCGCGTGTGTTCT 860
Db 2179 GCTGTTGCTGCTGCTGCTGTTGCTGTTGCTGCTGCTGCTGCTGCTGCTGCT 2120
QY 861 GCTGTAGAAGAA 872
Db 2119 GCTGCTGCCGCA 2108

Search completed: August 6, 2004, 19:28:59
Job time : 577.665 secs
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Result No.	Query %			DB	ID	Description
	Score	Match	Length			
1	1126.4	90.8	2051	16	US-10-104-047-1104	Sequence 1104, A
2	270.6	21.8	474	10	US-09-919-995-3342	Sequence 3342, A
3	188.8	15.2	401	9	US-09-864-761-1305	Sequence 1305, A
4	140.4	11.3	398	9	US-09-983-968-4945	Sequence 4945, A
5	53.2	4.3	404	10	US-09-919-995-5026	Sequence 5026, A
6	53	4.1	203264	13	US-10-087-192-988	Sequence 988, A
c 7	50.6	4.1	775	13	US-10-424-599-16675	Sequence 16675, A
8	50.4	4.1	609	13	US-10-027-632-43431	Sequence 43431, A
9	50.4	4.1	609	13	US-10-027-632-299775	Sequence 299775, A
10	50.4	4.1	609	16	US-10-027-632-43431	Sequence 43431, A
11	50.4	4.1	609	16	US-10-027-632-299775	Sequence 299775, A
c 12	50.2	4.0	650	13	US-10-027-632-201953	Sequence 201953, A
c 13	50.2	4.0	650	16	US-10-027-632-201953	Sequence 201953, A
c 14	49.6	4.0	606	13	US-10-027-632-134169	Sequence 134169, A

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Db 372 ATGACCGCTTACCTCTCAGAGGTACGACACGAGCGGAACTTACCTCGAGATGATCA 431
Qy 345 TCCACATGTGAGCCAGTATTCGCGGACATCAGATGAGCTCCAGACAGTCCGC 404
Db 432 TCCACATGTGAGCCAGTATTCGCGGACATCAGATGAGCTCCAGACAGTCCGC 491
Qy 405 TGCATGATCTGCTTACCTTACCGTCCAAAGTTATGGGAGAGCTGTTTATTCCTCCAGTGTA 464
Db 492 TGCATGATCTGCTTACCTTACCGTCCAAAGTTATGGGAGAGCTGTTTATTCCTCCAGTGTA 551
Qy 465 ATCTTGTAGTCGCTGAGAAATGAACCTTGTGAAGTTACTTGTCTACCTCCACATGGACCC 524
Db 552 ATCTTGTAGTCGCTGAGAAATGAACCTTGTGAAGTTACTTGTCTACCTCCACATGGACCC 611
Qy 525 GGCTCCCGATATTTCTCGGAGCTCGCTCCCTGGTCCAGCATTCAGCTATTAATTTTG 584
Db 612 GGCTCCCGATATTTCTCGGAGCTCGCTCCCTGGTCCAGCATTCAGCTATTAATTTTG 671
Qy 585 TTCCGAGCCAGCGACCTTCAAAGTGCAGTGAGCATCTCGCTCTGACCCACACAGACA 644
Db 672 TTCCGAGCCAGCGACCTTCAAAGTGCAGTGAGCATCTCGCTCTGACCCACACAGACA 731
Qy 645 ATGGACCTTGTGCTGCTGAGTCTGAGAGAGCTGAGAGCCCGGAAAGTCTGCAATG 704
Db 732 ATGGACCTTGTGCTGCTGAGTCTGAGAGAGCTGAGAGCCCGGAAAGTCTGCAATG 791
Qy 705 TAAATCTCACTGTGATTCGGTGTCCCAAGACACTGGAGGTGGTATTAATATTCAGGTG 764
Db 792 TAAATCTCACTGTGATTCGGTGTCCCAAGACACTGGAGGTGGTATTAATATTCAGGTG 851
Qy 765 TATTATCAAGTTTACCGAGTTTAGGTTTTTCAATTCCTACTTTGGGGCAAGTTGCACTTG 824
Db 852 TATTATCAAGTTTACCGAGTTTAGGTTTTTCAATTCCTACTTTGGGGCAAGTTGCACTTG 911
Qy 825 GACTAGAGGACCAATGCTTCTGAGCGCGAAGTGTACTCTTCAATACGCTGCTGCTGCT 884
Db 912 GACTAGAGGACCAATGCTTCTGAGCGCGAAGTGTACTCTTCAATACGCTGCTGCTGCT 971
Qy 885 GCGGCGCTGTTGTTGCTGCTCAACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 944
Db 972 GCGGCGCTGTTGTTGCTGCTCAACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1031
Qy 945 AAAGAGGATTTGCTATTCATTTCAAAAGAAATCTCAAAAGAGAGACAAACAAAGAAA 1004
Db 1032 AAAGAGGATTTGCTATTCATTTCAAAAGAAATCTCAAAAGAGAGACAAACAAAGAAA 1091
Qy 1005 CTGACACAGAAAGTGGAAATGAAACTCGGCTACAAATTCAGATGAAACAAAGACACAG 1064
Db 1092 CTGACACAGAAAGTGGAAATGAAACTCGGCTACAAATTCAGATGAAACAAAGACACAG 1151
Qy 1065 AAACCGCTTCTCTCCCTCCCAATCTGTGAATCCAGTGATCTCTGAAACAAAGAAACAGTA 1124
Db 1152 AAACCGCTTCTCTCCCTCCCAATCTGTGAATCCAGTGATCTCTGAAACAAAGAAACAGTA 1211
Qy 1125 GCTGCGCCCTCTCTCAGCGGGCTGATCAACGTCACCCAGCCAGCAGCAAGTCAATCCAC 1184
Db 1212 GCTGCGCCCTCTCTCAGCGGGCTGATCAACGTCACCCAGCCAGCAGCAAGTCAATCCAC 1271
Qy 1195 AGGCTTCTTTAATCTGCGCAGTCTGAGAGGTGAGTAATACAACTGTAGTATAG 1240
Db 1272 AGGCTTCTTTAATCTGCGCAGTCTGAGAGGTGAGTAATACAACTGTAGTATAG 1327
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RESULT 2

US-09-918-995-3342

; Sequence 3342, Application US/09918995

; Publication No. US20030073623A1

; GENERAL INFORMATION:

; APPLICANT: Hyseq, Inc.

; TITLE OF INVENTION: NOVEL NUCLEIC ACID SEQUENCES OBTAINED

; TITLE OF INVENTION: FROM VARIOUS CDNA LIBRARIES

; FILE REFERENCE: 20411-756

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; CURRENT APPLICATION NUMBER: US/09/918,995
; CURRENT FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: US/09/235,076
; PRIOR FILING DATE: 1999-01-20
; NUMBER OF SEQ ID NOS: 38054
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 3342
; LENGTH: 474
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc.feature
; LOCATION: (1)...(474)
; OTHER INFORMATION: n = A,T,C or G
US-09-918-995-3342
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Query Match 21.8%; Score 270.6; DB 10; Length 474;

Best Local Similarity 98.6%; Pred. No. 3e-71; Matches 273; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy 964 ATTTCAAAAGAAATCTGAAAAGAGAGACAAACAAAGAACTGAGACAGAAAGTGGAAA 1023

Db 54 ACTTTTAAGGAAATCTGAAAAGAGAGACAAACAAAGAACTGAGACAGAAAGTGGAAA 113

Qy 1024 TGAAAATCCGGCTACAAATTCAGATGAAACAAAGAACCCAGAAACCGCTTCTCTCCCTCC 1083

Db 114 TGAAAATCCGGCTACAAATTCAGATGAAACAAAGAACCCAGAAACCGCTTCTCTCCCTCC 173

Qy 1084 CAATCTCTCAATCCAGTGATCTCGAACAAAGAAAGACAGTCTGCGCTCCCTCCACCA 1143

Db 174 CAATCTCTCAATCCAGTGATCTCGAACAAAGAAAGACAGTCTGCGCTCCCTCCACCA 233

Qy 1144 GCGGCTCATCAACGTCACCCAGCCAGCAAGTCAATCCACAGGCTTCTTTAATCTGGC 1203

Db 234 GCGGCTCATCAACGTCACCCAGCCAGCAAGTCAATCCACAGGCTTCTTTAATCTGGC 293

Qy 1204 CAGTCTGAGAGGTGAGTAATACAACTGTAGTATAG 1240

Db 294 CAGTCTGAGAGGTGAGTAATACAACTGTAGTATAG 330

RESULT 3

US-09-864-761-16305

; Sequence 16305, Application US/09864761

; Patent No. US20020048763A1

; GENERAL INFORMATION:

; APPLICANT: Penn. Sharron G.

; APPLICANT: Rank, David R.

; APPLICANT: Hanzel, David K.

; APPLICANT: Chen, Wensheng

; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR

; TITLE OF INVENTION: GENE EXPRESSION ANALYSIS BY MICROARRAY

; FILE REFERENCE: Aecmiga-X-1

; CURRENT APPLICATION NUMBER: US/09/864,761

; CURRENT FILING DATE: 2001-05-23

; PRIOR APPLICATION NUMBER: US 60/180,312

; PRIOR FILING DATE: 2000-02-04

; PRIOR APPLICATION NUMBER: US 60/207,456

; PRIOR FILING DATE: 2000-05-26

; PRIOR APPLICATION NUMBER: US 09/632,366

; PRIOR FILING DATE: 2000-08-03

; PRIOR APPLICATION NUMBER: GB 24263.6

; PRIOR FILING DATE: 2000-10-04

; PRIOR APPLICATION NUMBER: US 60/236,359

; PRIOR FILING DATE: 2000-09-27

; PRIOR APPLICATION NUMBER: PCT/US01/006666

; PRIOR APPLICATION NUMBER: PCT/US01/00667

; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: PCT/US01/00664

; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: PCT/US01/00669

; PRIOR FILING DATE: 2001-01-30

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; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 09/608,408
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: US 09/774,203
; PRIOR FILING DATE: 2001-01-29
; NUMBER OF SEQ ID NOS: 49117
; SOFTWARE: Annomax Sequence Listing Engine vers. 1.1
; SEQ ID NO 16305
; LENGTH: 401
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO AF121782.1
; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 1.9
US-09-864-761-16305

Query Match 15.2%; Score 188.8; DB 9; Length 401;
Best Local Similarity 99.0%; Pred. No. 2e-46;
Matches 190; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 115 AGTTCTCGGCTGCTGAATGAAGTATGAGAGGCCCCAGAGTGAACAGTCTCGAAGG 174
DB 210 AGTTCTCGGCTGCTGAATGAAGTATGAGAGGCCCCAGAGTGAACAGTCTCGAAGG 269

QY 175 CTCACAGGCTCGCTTCAACTGACCGTCTCCAGGCTGGAAGCTCATCATGTGGGCTT 234
DB 270 CTCACAGGCTCGCTTCAACTGACCGTCTCCAGGCTGGAAGCTCATCATGTGGGCTT 329

QY 235 CAGTGACATGTTGGTGAAGCGTCCAGGCCATGAGCCCATCATCAACATGACCGTT 294
DB 330 CAGTGACATGTTGGTGAAGCGTCCAGGCCATGAGCCCATCATCAACATGACCGTT 389

QY 295 CACCTCTCAGAG 306
DB 390 CACCTCTCAGAG 401

RESULT 4
US-09-983-965-4945
; Sequence 4945, Application US/09983965
; Patent No. US20020137160A1
; GENERAL INFORMATION:
; APPLICANT: Warren, Wesley C.
; APPLICANT: Tao, Nengbing
; APPLICANT: Byatt, John C.
; APPLICANT: Mathialagan, Nagappan
; TITLE OF INVENTION: NUCLEIC ACID AND OTHER MOLECULES ASSOCIATED WITH LACTATION AND
; FILE OF INVENTION: MUSCLE AND FAT DEPOSITION
; FILE REFERENCE: 37-21(10297)C
; CURRENT APPLICATION NUMBER: US/09/983,965
; CURRENT FILING DATE: 2001-10-26
; PRIOR APPLICATION NUMBER: US 09/465,231
; PRIOR FILING DATE: 1999-12-15
; PRIOR APPLICATION NUMBER: US 60/113,678
; PRIOR FILING DATE: 1998-12-17
; NUMBER OF SEQ ID NOS: 5912
; SEQ ID NO 4945
; LENGTH: 398
; TYPE: DNA
; ORGANISM: Bos taurus
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; FEATURE:
; OTHER INFORMATION: Clone ID: 26-LIB34-017-Q1-E1-G9
US-09-983-965-4945

Query Match 11.3%; Score 140.4; DB 9; Length 398;
Best Local Similarity 78.5%; Pred. No. 1e-31;
Matches 168; Conservative 0; Mismatches 46; Indels 0; Gaps 0;

QY 113 GTAGTTCTCGGCTGCTGAATGAAGTATGAGAGGCCCCAGAGTGAACAGTCTCGTGAAG 172
DB 185 GCAGCTGTGGATCCAGCAGTGAATCATAGAGGTCCCAAGATGTACACCCCTGAAG 244

QY 173 GGCTCCAGGCTCGCTTCAACTGACCGTCTCCAGGCTGGAAGCTCATCATGTGGCT 232
DB 245 GGCTCGAGGCTCGCTTCAACTGACCGTCTCCAGGCTGGAAGCTCATCATGTGGCT 304

QY 233 CTCAGTGACATGTTGGTGAAGCGTCCAGGCCATGAGCCCATCATCAACATGACCGC 292
DB 305 CTGAGAGGCACAGTGGTGTGAGCATGACCCATATGAGACCATCATCACCAGTACCGC 364

QY 293 TTCACCTCTCAGAGGTACGACCGGCGGGAAT 326
DB 365 TTCACCTCTCAGAGGTACGACCGGCGGGAAT 398

RESULT 5
US-09-918-995-5026
; Sequence 5026, Application US/09918995
; Publication No. US20030073623A1
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc.
; TITLE OF INVENTION: NOVEL NUCLEIC ACID SEQUENCES OBTAINED
; FILE REFERENCE: 20411-756
; CURRENT APPLICATION NUMBER: US/09/918,995
; CURRENT FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: US/09/235,076
; PRIOR FILING DATE: 1999-01-20
; NUMBER OF SEQ ID NOS: 38054
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 5026
; LENGTH: 404
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-918-995-5026

Query Match 4.3%; Score 53.2; DB 10; Length 404;
Best Local Similarity 68.9%; Pred. No. 3.5e-05;
Matches 73; Conservative 0; Mismatches 33; Indels 0; Gaps 0;

QY 28 TCAGTTTCTTAGGCTGCCATACAAAGCACCATAACCTGGTGGCTTAGAACATGGAAG 87
DB 74 TGAGTTGCTTGGTCTGCCATACAAAGCACCATAACCTGGTGGCTTAGAACATGGAAT 133

QY 88 GCATTGCTCACGGTTCAGAGAGCTGTAGGTTCTGGGCTCGTGAAT 133
DB 134 GTATTTCTCACAGTTCACAGAGGCTGAAAGTCCAAAGATGCCACAAT 179

RESULT 6
US-10-087-192-988
; Sequence 988, Application US/10087192
; Publication No. US20020182586A1
; GENERAL INFORMATION:
; APPLICANT: Morris, David W.
; APPLICANT: Engelhard, Eric K.
; TITLE OF INVENTION: NOVEL COMPOSITIONS AND METHODS FOR
; FILE OF INVENTION: CANCER
; FILE REFERENCE: 52945200122
; CURRENT APPLICATION NUMBER: US/10/087,192
; CURRENT FILING DATE: 2002-03-01
; PRIOR APPLICATION NUMBER: US 09/747,377
; PRIOR FILING DATE: 2000-12-22
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Qy 23 GTGGATCAGTTTC- TAGGCTGCCATACCAAGCAGCATAACTGGTGGCTTAGACAAT 81
 Db 111 GTGGATCAGTTTCTTGGGCTGCCGTAACAATTTACGACAACTTGGGCTTAAACAAT 170
 Qy 82 GGAAAGGCATTGTGTACGGTTCAGAGCTGTAGGTTCTGGGCTGGTAAT 133
 Db 171 AGAAATGTATTTCTCTCAAAGTTCTAGAGGCCAGAACTCTGAGATCCAGGCAT 222

RESULT 10

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US-10-027-632-43431
; Sequence 43431, Application US/10027632
; Publication NO. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: Fast-SEQ for Windows Version 4.0
; SEQ ID NO 43431
; LENGTH: 609
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-43431

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	Query Match	4.1%	Score 50.4;	DB 16;	Length 609;
	Best Local Similarity	71.4%;	Pred. No. 0.00033;		
	Matches	80;	Conservative	0;	Mismatches 31; Indels 1; Gaps 1;
QY	23	GTGGATCAGTTTC - TAGGTCGCCATACCAAGCACCATTA	CTGTGGCTTAGAACAT	81	
Db	111	GTGGATCAGTTTCCTGGGTCGGTACCAAAATTACGACAAAT	CTGTGGCTTAAACAAAT	170	
QY	82	GGAAAGCATTTGCTACGGTTCCAGAACTGTAGGTTCTGGGTC	TGCGTAAAT	133	
Db	171	AGAAATGTATTCTCTCAAAGTCTTAGAGGCCAGAAAGTCTGAGATCCAGGAT		222	

RESULT 11

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US-10-027-632-299775
; Sequence 299775, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027.632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218

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Query Match	4.0%;	Score 50.2;	DB 13;	Length 650;
Best Local Similarity	55.4%;	Pred. No. 0.00039;		
Matches	97;	Conservative 0;	Mismatches 78;	Indels 0; Gaps 0;
38	AGGCTGCCATACAAAGCACCATACCTGGTGGCTTTAGACAATGGAAGAGCATTTGCTC	97		
448	AGGCTACCATACAAATGATGCCATGACTGGTGGCTTAAAGAACAGAAATTTATTTTCTC	389		
98	ACGGTTCAGAAAGCTGTAGGTTCTGGTCTCGTAAATGAAGTCATAGAAGAGCCCCAGAAAT	157		
388	ACAGTGCCACAGAGCTGGAAGTCCAAGATCAGGGTGCCACAGCATGCTCAGGGTCTGGTCAAC	329		

Qy
D_b

158 GCAACAGTCTCTGAAGGGCTCCCGAGGTCGGTTCAACTGCACCGGTCTCCAGGGCT 212
328 ACTCTATTCTGGTTCCTCAGACATTCACCTTTCTCACTGTGTGTCAACCCAGCGTT 274

RESULT 13

US-10-027-632-201953/C
; Sequence 201953, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:

	Query Match	4.0%;	Score 50.2;	DB 16;	Length 650;
	Best local Similarity	55.4%;	Pred. No. 0.00039;		
	Matches	97;	Conservative	0;	Mismatches 78; Indels 0; Gaps 0;
QY	38	AGGCTGCGCATACAAAGCACATCAACTGGTGGCTTAGACAAATGGAAAGCATTTCCTC	97		
Db	448	AGGCTACATACAAAAAATGCCATAGACTGGTGGCTTAAAGAACAGAAAAATTTATTTTCTC	389		
QY	98	ACGGTTCACAAAGCTGTGAGTTCCTGGGCTCGGTAATGAAGTCATAGAAGGCCGCCAGAAT	157		
Db	388	ACAGTGCAGAGGCTGGAATCCAGATCAGGGTGCCAGCATGTCAGGCTCTGGTGAAC	329		
QY	158	GCAACAGTCTGTGAAGGGCTCCAGGCTCGGTTCAACTGCACCGTCTCCCCAGGGCT	212		
Db	328	ACTATATCTCTGGGTTCCAGACATTCACCTTTCTCACTGTGTGCTCACCCAGCGTT	274		

RESULT 14

US-10-027-632-134169/c
; Sequence 134169, Application US/10027632
; Publication No. US20020198371A1
; GENERAL INFORMATION.

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? PRIOR FILING DATE: 2000-02-24
? PRIOR APPLICATION NUMBER: US 60/167,363
? PRIOR FILING DATE: 1999-11-23
? PRIOR APPLICATION NUMBER: US 60/156,358
? PRIOR FILING DATE: 1999-09-28
? PRIOR APPLICATION NUMBER: US 60/146,002
? PRIOR FILING DATE: 1999-08-09
? NUMBER OF SEQ ID NOS: 325720
? SOFTWARE: fastSEQ for Windows Version 4.0
? SEQ ID NO 134169
? LENGTH: 606
? TYPE: DNA
? ORGANISM: Human
US-10-027-632-134169

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	Query Match	4.0%	Score 49.6;	DB 13;	Length 606;
	Best Local Similarity	72.7;	Pred. No. 0.00057;		
	Matches 64;	Conservative 0;	Mismatches 24;	Indels 0;	Gaps 0;
Qy	24	TGATCATGTTTCTTAGCTGCCATPACAAAGACACNTAACTGTGTGCTTTAGAACATATGG	83		
Db	114	TGCATTATGTCCTGGGGCTGCCATPACAAAGACACCAAAACGGGAGGCTTAAAAACAACAG	55		
Qy	84	AAAGGCCATTTTGCTCACGGTTCACGAAGC	111		
Db	54	GAATTTATTTCTCACCGTTCTGGAAC	27		

RESULT 15

US-10-027-632-134169/c
; Sequence 134169, Application US/10027632
; Publication No. US20030204075A9

	Query Match	4.08;	Score 49.6;	DB 16;	Length 606;
	Best Local Similarity	72.74;	Pred.No. 0.00057;		
	Matches 64;	Conservative 0;	Mismatches 24;	Indels 0;	Gaps 0;
Qy	24	TGATCAGTTTTCTTAGCTGCCATAACAAGCACCATACCTGGTGGCTTAGAACATGG	83		
Db	114	TGATTAGTCCCTGGGGCTGCCATAACAAGCACCAAAACGGGAGGCTTTAAACAACAG	55		
Qy	84	AAAGGCATTTTGCTCACGGTTTCCAGAAGC	111		
Db	54	GAATTTATTCTCTCACCGTTTCTGGAAC	27		

Search completed: August 6, 2004, 19:29:01
Job time : 614.213 secs

This Page Blank (uspto)

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: July 30, 2004, 14:57:22 ; Search time 14.896 Seconds
(without alignments)
1323.919 Million cell updates/sec

Title: US-09-729-264-2
Perfect score: 2059
Sequence: 1 MGLVFLHSGSGSNEVIEGP.....HQQSFNLASPEKVSNTTVV 382

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 389414

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database: 1 Issued Patents AA: *
1: /cgn2_6/ptodata/2/iaa/5A COMB.pap.*
2: /cgn2_6/ptodata/2/iaa/5B COMB.pap.*
3: /cgn2_6/ptodata/2/iaa/6A COMB.pap.*
4: /cgn2_6/ptodata/2/iaa/6B COMB.pap.*
5: /cgn2_6/ptodata/2/iaa/PCTUS COMB.pap.*
6: /cgn2_6/ptodata/2/iaa/backfiles1.pap.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	147.5	7.2	404	US-09-638-649-3	Sequence 3, Appli
2	128.5	6.2	1345	US-08-977-767-3	Sequence 3, Appli
3	128	6.2	1447	US-09-041-886-25	Sequence 25, Appli
4	128	6.2	1447	PCT-US94-05277-2	Sequence 2, Appli
5	126.5	6.1	869	US-08-374-834-16	Sequence 16, Appli
6	126.5	6.1	869	US-08-644-271-29	Sequence 29, Appli
7	126.5	6.1	869	US-09-077-955-33	Sequence 33, Appli
8	123.5	6.0	332	US-09-062-365-1	Sequence 1, Appli
9	122.5	5.9	340	US-09-651-200-2	Sequence 2, Appli
10	122.5	5.9	441	US-09-651-200-4	Sequence 4, Appli
11	122	5.9	313	US-09-700-397-4	Sequence 4, Appli
12	122	5.9	344	US-09-700-397-3	Sequence 3, Appli
13	121.5	5.9	534	US-09-651-200-6	Sequence 6, Appli
14	121.5	5.9	534	US-09-651-200-24	Sequence 24, Appli
15	118.5	5.8	318	US-08-633-148-4	Sequence 4, Appli
16	118.5	5.8	340	US-08-633-148-2	Sequence 2, Appli
17	117	5.7	325	US-09-651-200-20	Sequence 20, Appli
18	114.5	5.6	1461	US-09-976-594-531	Sequence 531, App
19	114	5.5	1395	US-09-540-245A-15	Sequence 15, Appl
20	113.5	5.5	416	US-09-638-649-1	Sequence 1, Appli
21	112	5.4	868	US-08-374-834-1	Sequence 1, Appli
22	112	5.4	868	US-08-644-271-1	Sequence 1, Appli
23	112	5.4	868	US-09-077-955-1	Sequence 1, Appli
24	110	5.3	689	US-09-499-964-1	Sequence 1, Appli
25	109.5	5.3	316	US-09-910-174B-24	Sequence 24, Appl
26	109.5	5.3	316	US-09-620-461-24	Sequence 24, Appl
27	109.5	5.3	478	PCT-US95-08493-15	Sequence 15, Appl

28	109.5	5.3	860	5	PCT-US95-08493-19	Sequence 19, Appl
29	109.5	5.3	868	5	PCT-US95-08493-21	Sequence 21, Appl
30	107.5	5.2	362	1	US-08-415-751-6	Sequence 6, Appli
31	107	5.2	365	2	US-08-979-424-3	Sequence 3, Appli
32	107	5.2	365	3	US-09-272-496-2	Sequence 2, Appli
33	106.5	5.2	946	5	PCT-US95-08493-13	Sequence 13, Appli
34	106	5.1	319	1	US-08-597-495B-22	Sequence 22, Appl
35	106	5.1	319	3	US-09-068-051A-22	Sequence 22, Appl
36	106	5.1	319	4	US-09-336-536-67	Sequence 67, Appl
37	106	5.1	319	4	US-09-254-465A-6	Sequence 6, Appli
38	106	5.1	801	1	US-07-906-349A-6	Sequence 2, Appli
39	106	5.1	1497	4	US-09-060-854B-2	Sequence 2, Appli
40	105	5.1	285	3	US-08-482-085B-20	Sequence 20, Appl
41	105	5.1	1297	3	US-09-540-245A-17	Sequence 17, Appl
42	105	5.1	1381	3	US-09-540-245A-16	Sequence 16, Appl
43	104.5	5.1	879	1	US-08-554-612C-1	Sequence 1, Appli
44	104	5.1	421	2	US-08-659-984A-1	Sequence 1, Appli
45	104	5.1	421	3	US-08-660-531-1	Sequence 1, Appli

ALIGNMENTS

RESULT 1
US-09-638-649-3
; Sequence 3, Application US/09638649
; Patent No. 6563015
; GENERAL INFORMATION:
; APPLICANT: Stern, David M.
; APPLICANT: Schmidt, Ann Marie
; APPLICANT: Yan, Shi Du
; TITLE OF INVENTION: TRANSGENIC MICE OVER-EXPRESSING RECEPTOR FOR ADVANCED
; TITLE OF INVENTION: GLYCATION ENDPRODUCT (RAGE) AND MUTANT APP IN BRAIN AND
; FILE REFERENCE: 0575/62175
; CURRENT APPLICATION NUMBER: US/09/638,649
; CURRENT FILING DATE: 2000-08-14
; NUMBER OF SEQ ID NOS: 10
; SOFTWARE: Patent in Ver. 2.1
; SEQ ID NO 3
; LENGTH: 404
; TYPE: PRT
; ORGANISM: Human
US-09-638-649-3

Query Match	7.2%	Score 147.5;	DB 4;	Length 404;
Best Local Similarity	22.6%	Pred. No. 5.7e-05;		
Matches	85;	Conservative	40;	Mismatches 114; Indels 137; Gaps 18;
QY	15	EVIEGPQNAVTLKGSQARFNCTVSQG	---	WKLIMWALSMDVVLVSRPMEPIITNDPRTS- 70
Db	125	EVVDSASELTA--GVPNKVGTCVSEGSYPAGTILSWHLDG	-----	KPLVFNKGVSV 173
QY	71	----QRYDQGNFT--SEMIHNVPSDSGNIR	-----	CSLQNSRLHGSAYLTQVVMGELF 120
Db	174	KEQTRHPETGLTLOSELN	---	VTPARGDPRPTSCFSFGLPRHRLAPIQPRVW 230
QY	121	IP-----SVNMLVAENEP	-----	CBVTCPLPSHWTRLPDISWELGLVSHSY 162
Db	231	EPVPLEVQLVW--EPEGGAVAPGTVTLTCEVPAQPS	-----	PQIHMKD----- 274
QY	163	YFVPEPSDLQSAVSIILALTPQSNGLTLCVATWKLKARKSATVNLTVIRCPQDTGGINI	222	
Db	275	GVFLPLPSPVLIILPEIGFQDQGTYSVCATHSHGQBSRAVSIIE-PGEEG	-----	327
QY	223	PGVLSLPSLGSFLTPTWKGVLGLAGTLLIT	-----	PTCLTIRCCCRRCRCGCCNCC 275
Db	328	-----PTAGSVGGSLGLTALALGILGLGTAAALLIGVILWRR	-----	366
QY	276	CRCCFCRRKRGFRIOFKKSEKKT--NKETETESGNENSGVNSDEQKTTDTASLPKS	333	
Db	367	-----QRRGERKAPENQEEEEAEELN	-----	389

QY 334 CESSDPEORNSCGPP 349
Db 390 -QSEEPAGESSTGGP 404

RESULT 2
US-08-977-767-3
; Sequence 3, Application US/08977767
; Patent No. 5972684
; GENERAL INFORMATION:
; APPLICANT: Bandman, Olga
; APPLICANT: Yue, Henry
; APPLICANT: Greenwald, Sara
; APPLICANT: Corley, Neil C.
; TITLE OF INVENTION: CARBONIC ANHYDRASE VIII
; NUMBER OF SEQUENCES: 3
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Drive
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FASTSEQ for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/977,767
; FILING DATE: Herewith
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Billings, Lucy J.
; REGISTRATION NUMBER: 36,749
; REFERENCE/DOCKET NUMBER: PF-0423 US
; TELEPHONE: 650-855-0555
; TELEFAX: 650-845-4166
; TELEX:
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1345 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: GenBank
; CLONE: 1532042
US-08-977-767-3

Query Match 6.2%; Score 128.5; DB 2; Length 1345;
Best Local Similarity 33.0%; Pred. No. 0.015;
Matches 37; Conservative 1; Mismatches 41; Indels 33; Gaps 5;
QY 186 GTLTCVATWKSILKARKSATVNLTVIRCPQDPTGGGI-----NIPGVLSLPSLGFSLPTWCK 241
Db 414 GTCTCTGT-----GC-CGTGGGAAGCGTTCAGAGCCCGCGTGGATGTGGA 455

QY 242 VGLGIAGTMLT-PTCLTIRCCRRCCGNCNCCRC-----CFCC 282
Db 456 CQTGAAGAGGTCCTCTATGACCCCTTCTGCCCCCTCTGACACTCAGACC 507

RESULT 3
US-09-041-886-25
; Sequence 25, Application US/09041886
; Patent No. 6235872
; GENERAL INFORMATION:
; APPLICANT: Bredesen, Dale E.

; APPLICANT: Rabizadeh, Sharroz
; TITLE OF INVENTION: Proapoptotic Peptides, Dependence
; TITLE OF INVENTION: Polypeptides and Methods of Use
; NUMBER OF SEQUENCES: 72
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Campbell & Flores LLP
; STREET: 4370 La Jolla Village Drive, Suite 700
; CITY: San Diego
; STATE: California
; COUNTRY: United States
; ZIP: 92122
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/041.886
; FILING DATE:
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Campbell, Cathryn A.
; REGISTRATION NUMBER: 31,815
; REFERENCE/DOCKET NUMBER: P-LJ 2626
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619) 535-9001
; TELEFAX: (619) 535-8949
; INFORMATION FOR SEQ ID NO: 25:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1447 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-09-041-886-25

Query Match 6.2%; Score 128; DB 3; Length 1447;
Best Local Similarity 24.8%; Pred. No. 0.018;
Matches 60; Conservative 33; Mismatches 99; Indels 50; Gaps 10;
QY 10 SGSGNEV-----LEGONATVLKSGQARFNCTVSGW--KLIMWALSDM 51
Db 220 SRTGNEAFVRLSDPGLHRLQYLFQPSNVVAIEGKDAVLECCVS-GPPPSFTWLRGEE 278

QY 52 VVLSVRPMEPIITNDRFTSQRYDQGNFTSEMIHNVPEPSDSGNIRC--SLQNSLHGSA 109
Db 279 VI-----QLSKKYSLLGG--SNLLISNVTDDSGMYTCVVTYKKNENISASA 323

QY 110 YLTQVVMGELFIPSVNLVVAENEPCEVTCLPSHWTRLPDISW-ELGLLVSHSSYYFVPEP 168
Db 324 ELTVLPVPFNLHPNSLYAYESMDIEFECTVS-GKPVPTVNMKNKGDVIFSDYFQIVGG 382

QY 169 SDLQSAVSILALTPQSNGLTCTVATKSLKARKSATVNLTVIRCPQDPTGGGINIPGVLS 228
Db 383 SNLR-----ILGVKSDGFGYQCVAEAGNAGTSQALIVKPAIPSS-----VLPS 430

QY 229 LP 230
Db 431 AP 432

RESULT 4
PCT-US94-05277-2
; Sequence 2, Application PC/TUS9405277
; GENERAL INFORMATION:
; APPLICANT: Bruskin, Arthur
; APPLICANT: Jarosz, David E.
; APPLICANT: Johnson, Karen
; APPLICANT: Kinzler, Kenneth W.
; APPLICANT: Vogelstein, Bert
; APPLICANT: Zablacky, James R.
; TITLE OF INVENTION: Antibodies Specific for DCC Gene Product
; NUMBER OF SEQUENCES: 2
; CORRESPONDENCE ADDRESS:

```

; ADDRESSEE: Banner, Birch, McKie & Beckett
; STREET: 1001 G Street, N.W.
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20001
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US94/05277
; FILING DATE:
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Kagan, Sarah A.
; REGISTRATION NUMBER: 32,141
; REFERENCE/DOCKET NUMBER: 01107.42709
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202.508.9100
; TELEFAX: 202.508.9299
; TELEX: 197430 BBMB UT
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1447 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; PCT-US94-05277-2

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```

Query Match 6.2%; Score 128; DB 5; Length 1447;
Best Local Similarity 24.8%; Pred. No. 0.018;
Matches 60; Conservative 33; Mismatches 99; Indels 50; Gaps 10;

QY 10 SSGSNEV-----IEGPQATVLKGSQARENCVTSQGW--KLIMWALSDM 51
; : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 220 SRTGNAEVRILSDPGLHRLQYFLQRPNSVVAEGKDAVLECCVS-GYPPPSFTWLRGEE 278
; : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 52 VLSVRMEPIINDRFTSQRYDQGNFTSEMIHNVFSDSGNIRC--SLQNSRLHGS 109
; : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 279 VI-----QLRSKKYSLGG--SNLLISNVTDDSGMYTCVVTYKKNISASA 323
; : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 110 YLTQVMGELFIPSNLVVAENPECVTLCPSHWTRLPDISW-ELGLVSHSSYVFPPEP 168
; : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 324 ELTVLPPFNLPSNLYAYESMDIEFECTVS-GKPVPTVNMWKGDDVTPSDYFQLVGG 382
; : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 169 SDLQSAVSILALPQSGNTLTCVATWKSLSKARKSATVNLTVIRCPQDTGGGINPGVLSS 228
; : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 383 SNLR----ILGVVKSDEGFYQCVAENEAGNAQTSQQLIVPKPAIPSSS-----VLPS 430
; : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 229 LP 230
; : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 431 AP 432
; : : : : : : : : : : : : : : : : : : : : : : : : : : : :

```

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RESULT 5
US-08-374-834-16
; Sequence 16, Application US/08374834
; Patent No. 5656473
; GENERAL INFORMATION:
; APPLICANT: Valenzuela, et al.
; TITLE OF INVENTION: NOVEL TYROSINE KINASE RECEPTOR
; NUMBER OF SEQUENCES: 17
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Regeneron Pharmaceuticals, Inc.
; STREET: 777 Old Saw Mill River Road
; CITY: Tarrytown
; STATE: New York
; COUNTRY: USA
; ZIP: 10591
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk

```

```

; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/374,834
; FILING DATE: 19-JAN-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/095,658
; FILING DATE: 21-JUL-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Cobert, Robert J.
; REGISTRATION NUMBER: 36,108
; REFERENCE/DOCKET NUMBER: REG 190A
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (914) 345-7400
; TELEFAX: (914) 345-7721
; INFORMATION FOR SEQ ID NO: 16:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 869 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: unknown
; MOLECULE TYPE: protein
; US-08-374-834-16

Query Match 6.1%; Score 126.5; DB 1; Length 869;
Best Local Similarity 20.9%; Pred. No. 0.012;
Matches 86; Conservative 51; Mismatches 176; Indels 99; Gaps 19;

QY 15 EVLEGQPNATVLKGSQARENCVTSQGW-KLIMWALSDMVLSVRPMEPIITNDRFTSQRY 73
; : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 122 KITRPPINVKILGLKAVLPCTTMGNPKPSVSIKGD-----SPURENSRIAVLE- 171
; : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 74 DOGNETSEMIHNVFSDSGNIRCQLNSRLHGSAY-LTVQVMGELFIPSNLVVAENE 132
; : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 172 -----SGSLRIHNVQKEDAGQYRCVAKNSL--GTAYSKVVKLEVEVFARILRAPESHV 223
; : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 133 P-----CEVTLCPSHWTRLPDISW-ELGLVSHSSYVFPPEPSDLSQSAVSILALTPQ 183
; : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 224 TFGSFVTLHCTATGIP-----VPTITWENGNAVSSGSIQESVKDRVIDSRLQFITKP- 277
; : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 184 SNTGLTCVAT---WKSLSKARKSATVNLTVIRCPQDTGGG-----INIFGVLSLSP 230
; : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 278 --GLYTCIATNKHGEFSTAKAAATISIAEWSKPDKNKGCAQYRGEVCNAVLAADLV 335
; : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 231 SLGFSL-----PTWKGVLGLAGTMLLTPTLTIRCCCCRRRCOCGN----- 273
; : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 336 FLNTSYADPEEAQELLVHTAWNEL-----KVVSPVCRPAEALLCNHIFQCSFGVVP 388
; : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 274 -----CCRCRC-----FCCRRKRGFRIQKKSEKKTNETETESGNENSGYNSDEQKT 323
; : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 389 TPIPICRBYCLAVKELFCFAKE----WLVMEETHRGLYRSEMHLVSPKSLPSMHWDP 444
; : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 324 TDTASLPKSCSSDPEQNSSCGPPHQADORP----PRPASHPOASFNL 371
; : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 445 TACARLP-----HLDYKNENLKTFFP--MTSSKPSVDINLPSSSSSSSFVS 489
; : : : : : : : : : : : : : : : : : : : : : : : : : : : :

```

```

RESULT 6
US-08-644-271-29
; Sequence 29, Application US/08644271
; Patent No. 5814478
; GENERAL INFORMATION:
; APPLICANT: Valenzuela, et al.
; TITLE OF INVENTION: NOVEL TYROSINE KINASE RECEPTORS
; TITLE OF INVENTION: AND LIGANDS
; NUMBER OF SEQUENCES: 32
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Regeneron Pharmaceuticals, Inc.
; STREET: 777 Old Saw Mill Road
; CITY: Tarrytown
; STATE: NY

```

COUNTRY: USA
ZIP: 10591
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/644,271
FILING DATE: 10-MAY-1996
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: USSN 60/008,657
FILING DATE: 15-DEC-1995
ATTORNEY/AGENT INFORMATION:
NAME: Covert, Robert J
REGISTRATION NUMBER: 36,108
REFERENCE/DOCKET NUMBER: REG 195A
TELECOMMUNICATION INFORMATION:
TELEPHONE: 914-345-7400
TELEFAX: 914-345-7721
TELEX:
INFORMATION FOR SEQ ID NO: 29:
SEQUENCE CHARACTERISTICS:
LENGTH: 869 amino acids
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: unknown
MOLECULE TYPE: protein
US-08-644-271-29

Query Match 6.1%; Score 126.5; DB 2; Length 869;
Best Local Similarity 20.9%; Pred. No. 0.012;
Matches 86; Conservative 51; Mismatches 176; Indels 99; Gaps 19;

QY 15 EVIEGPONATVLKGSQARFNCTVSGWK-LIMWALSDMVVLSVRPMEPIITNDRFTSQRY 73
DB 122 KITRPPINVKIIEGLKAVLPCTTMGNPKPSVSWIKGD-----SPLRENSRIAVLE- 171

QY 74 DQGNFTSEMIHNVPESDSNIRCSLQNSRLHGSAY-LTVQVMGELFIPSVNLVVAENE 132
DB 172 -----SGSLRIHNVOQEDAGQYRCVAKNSL--GTAYSKVVKLEVEVFARILRAPESHNV 223

QY 133 P-----CEVTLPSHWTLPDISW-ELGLLVSHSSYYFVPEPSDQSAVSLALTPQ 183
DB 224 TFGSFVTLHCTATGIP-----VPTITWIENGNAVSSGSIQESVKDVIDSLRLQIFITKP- 277

QY 184 SNGTLTCVAT-----WKSILKARKSATVNLTVIRCPQDTGGG-----INIPGVLSLSP 230
DB 278 --GLYTCIATNKHGKEFKSTAKAATISIAEWSKPKQKNGYCAQYRGEVCNAVLAADLV 335

QY 231 SLGFSL-----PTWGVKVLGLAGTMLTPTCTLTIRCCCRRCGCGN----- 273
DB 336 FLNTSYADPBEAQELLVHTAWNEL-----KVVSVCPRPAEAALLCNHIFQECSPGVVP 388

QY 274 -----CCCRCC-----FCRRKRGFRIOFKKSEKTKETETESNGNSGYNSDEQKT 323
DB 389 TPIDICREYCLAVALFCAKE-----WLVMEEKTHRGLYRSEMILLSVPECKSLPSMHWDP 444

QY 324 TDTASLPKSCSSDPQRNSSCGPPHQRADQRP-----PRPASHQASFNLA 371
DB 445 TACARLP-----HLDYNKENLKTFFP--MTSSKPSVDIPNLPSSSSSSFSVS 489

RESULT 8
US-09-062-365-1
Sequence 1, Application US/09062365
Patent No. 6465422
GENERAL INFORMATION:
APPLICANT: Schmidt, Ann Marie
APPLICANT: Stern, David
TITLE OF INVENTION: METHOD FOR INHIBITING TUMOR INVASION OR SPREADING IN A
FILE REFERENCE: 55424
CURRENT APPLICATION NUMBER: US/09/062,365
CURRENT FILING DATE: 1998-04-17
NUMBER OF SEQ ID NOS: 6
SOFTWARE: Patent in Ver. 2.1
SEQ ID NO 1
LENGTH: 332
TYPE: PRT
ORGANISM: Human
US-09-062-365-1

Query Match 6.0%; Score 123.5; DB 4; Length 332;
Best Local Similarity 24.1%; Pred. No. 0.006;
Matches 65; Conservative 33; Mismatches 89; Indels 83; Gaps 14;

QY 15 EVIEGPONATVLKGSQARFNCTVSGWK-LIMWALSDMVVLSVRPMEPIITNDRFTS- 70

COUNTRY: USA
ZIP: 10591
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/644,271
FILING DATE: 10-MAY-1996
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: USSN 60/008,657
FILING DATE: 15-DEC-1995
ATTORNEY/AGENT INFORMATION:
NAME: Covert, Robert J
REGISTRATION NUMBER: 36,108
REFERENCE/DOCKET NUMBER: REG 195A
TELECOMMUNICATION INFORMATION:
TELEPHONE: 914-345-7400
TELEFAX: 914-345-7721
TELEX:
INFORMATION FOR SEQ ID NO: 29:
SEQUENCE CHARACTERISTICS:
LENGTH: 869 amino acids
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: unknown
MOLECULE TYPE: protein
US-08-644-271-29

Query Match 6.1%; Score 126.5; DB 2; Length 869;
Best Local Similarity 20.9%; Pred. No. 0.012;
Matches 86; Conservative 51; Mismatches 176; Indels 99; Gaps 19;

QY 15 EVIEGPONATVLKGSQARFNCTVSGWK-LIMWALSDMVVLSVRPMEPIITNDRFTSQRY 73
DB 122 KITRPPINVKIIEGLKAVLPCTTMGNPKPSVSWIKGD-----SPLRENSRIAVLE- 171

QY 74 DQGNFTSEMIHNVPESDSNIRCSLQNSRLHGSAY-LTVQVMGELFIPSVNLVVAENE 132
DB 172 -----SGSLRIHNVOQEDAGQYRCVAKNSL--GTAYSKVVKLEVEVFARILRAPESHNV 223

QY 133 P-----CEVTLPSHWTLPDISW-ELGLLVSHSSYYFVPEPSDQSAVSLALTPQ 183
DB 224 TFGSFVTLHCTATGIP-----VPTITWIENGNAVSSGSIQESVKDVIDSLRLQIFITKP- 277

QY 184 SNGTLTCVAT-----WKSILKARKSATVNLTVIRCPQDTGGG-----INIPGVLSLSP 230
DB 278 --GLYTCIATNKHGKEFKSTAKAATISIAEWSKPKQKNGYCAQYRGEVCNAVLAADLV 335

QY 231 SLGFSL-----PTWGVKVLGLAGTMLTPTCTLTIRCCCRRCGCGN----- 273
DB 336 FLNTSYADPBEAQELLVHTAWNEL-----KVVSVCPRPAEAALLCNHIFQECSPGVVP 388

QY 274 -----CCCRCC-----FCRRKRGFRIOFKKSEKTKETETESNGNSGYNSDEQKT 323
DB 389 TPIDICREYCLAVALFCAKE-----WLVMEEKTHRGLYRSEMILLSVPECKSLPSMHWDP 444

QY 324 TDTASLPKSCSSDPQRNSSCGPPHQRADQRP-----PRPASHQASFNLA 371
DB 445 TACARLP-----HLDYNKENLKTFFP--MTSSKPSVDIPNLPSSSSSSFSVS 489

RESULT 7
US-09-077-955-33
Sequence 33, Application US/09077955A
Patent No. 6413740
GENERAL INFORMATION:
APPLICANT: Valenzuela et al., David M.
TITLE OF INVENTION: NOVEL TYROSINE KINASE RECEPTORS AND LIGANDS
FILE REFERENCE: REG195-B-PCT-US
CURRENT APPLICATION NUMBER: US/09/077,955A

Db 103 EIVDSASELTA--GVNPKVCTVSEGSYPAGTISWHLDG-----KPLVNEKGVSV 151
QY 71 ----QRYDQGNFT--SEMIHNVPESDSNIR-----CSLQNSRLHGSAYLTQVMGELF 120
Db 152 KEQTRRHPTGLTLOSELN---VTPARGGDPRPTFSCFSFGLPRHRALRTAPIQPRVW 208
QY 121 IP-----SVNLVVAENP-----CEVTCLPSHWTRLPDISWELGLLVSHSY 162
Db 209 EPVPLEVQLW---EPEGGAVAPGFTVTLTCEVPAQPS-----PQIHNMKD----- 252
QY 163 YFVPEPSDLQSAVSILALTPQSNGLTLCVATWKSRLKARKSATVNLTVIRCPQDTGGGINI 222
Db 253 -GVPLPLPPFVLLIEIGDQDQGTQVSCVATHSHGQESRAVSIIE--PGEEG----- 305
QY 223 PGVLSLPSLGSFLPTWKGVLGLAGTMLL 252
Db 306 -----PTAGSVGGSLGTAL 321

RESULT 9

US-09-651-200-2
; Sequence 2, Application US/09651200
; Patent No. 6429303
; GENERAL INFORMATION:
; APPLICANT: Green et al
; TITLE OF INVENTION: Polynucleotides Encoding Members of the Human B
; TITLE OF INVENTION: Lymphocyte Activation Antigen B-7 Family and
; TITLE OF INVENTION: Polypeptides Encoded Thereby
; FILE REFERENCE: 15966-562 (CURA-62)
; CURRENT APPLICATION NUMBER: US/09/651,200
; CURRENT FILING DATE: 2000-08-30
; PRIOR APPLICATION NUMBER: 60/152383
; PRIOR FILING DATE: 1999-09-03
; PRIOR APPLICATION NUMBER: 60/172909
; PRIOR FILING DATE: 1999-12-21
; PRIOR APPLICATION NUMBER: 60/183578
; PRIOR FILING DATE: 2000-02-18
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: Patent in Ver. 2.0
; SEQ ID NO 2
; LENGTH: 340
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-651-200-2

Query Match 5.9%; Score 122.5; DB 4; Length 340;
Best Local Similarity 21.2%; Pred. No. 0.0076;
Matches 77; Conservative 50; Mismatches 128; Indels 109; Gaps 17;
QY 10 SGSSENVIEGPQATV-LKGSQARFNCTVS--QGWL-----INWALSDMVLSVRPMEPI 62
Db 48 SPTGAVEVQVPEPVPVVALVGTDLTHCSFSPFGLTQLNLWLTDTKQLV----- 100
QY 63 ITNDRTSQRDQGNF-----TSEMIHNVPESDSGNIRCSLONSRLHGS 108
Db 101 ---HSFTEGR-DGGSAYANRTALFPDLLAQNASRLQRVRVADESGFTCFV-SIRDFGS 155
QY 109 AYLTQVMGELFTPSVNLV-----VAENPECVTLPSHWTRLP--DISWELGL---LVSH 159
Db 156 AAVSLQVAAPYSKPSMTLEPNKDLRPGDVTITC--SSYRGYPEAEVFWQDGGVPLTGN 213
QY 160 SSYFVPEPSDLQSAVSILALTPQSNGLTLCVATWKSRLKARKSATVNLTVIRCP---ODT 216
Db 214 VTTSQWANEGLFDVHSVLRVLGANGTYS-----LVRNPLVQQDA 255
QY 217 GGGINIPGVLSLPSLGSFLPTWKGVLGLAGTMLLTPTCTLTIRCCCRRCGCCGCC 276
Db 256 HGSVTTIGQPMTPPEAL-----WVTGLSVCLIALIV----- 288
QY 277 RCFCCRRKRGFRIOFKKSEKTKETETESGNENSGYNSEDQKTTDTASLPKSCS 336
Db 289 ALAFVCWRK-----IKQSCSEENAGAEQDQG-----EGGSKTALQPLKHS 331

QY 337 SDPE 340
Db 332 KEDD 335

RESULT 10

US-09-651-200-4
; Sequence 4, Application US/09651200
; Patent No. 6429303
; GENERAL INFORMATION:
; APPLICANT: Green et al
; TITLE OF INVENTION: Polynucleotides Encoding Members of the Human B
; TITLE OF INVENTION: Lymphocyte Activation Antigen B-7 Family and
; TITLE OF INVENTION: Polypeptides Encoded Thereby
; FILE REFERENCE: 15966-562 (CURA-62)
; CURRENT APPLICATION NUMBER: US/09/651,200
; CURRENT FILING DATE: 2000-08-30
; PRIOR APPLICATION NUMBER: 60/152383
; PRIOR FILING DATE: 1999-09-03
; PRIOR APPLICATION NUMBER: 60/172909
; PRIOR FILING DATE: 1999-12-21
; PRIOR APPLICATION NUMBER: 60/183578
; PRIOR FILING DATE: 2000-02-18
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: Patent in Ver. 2.0
; SEQ ID NO 4
; LENGTH: 441
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-651-200-4

Query Match 5.9%; Score 122.5; DB 4; Length 441;
Best Local Similarity 21.2%; Pred. No. 0.011;
Matches 77; Conservative 50; Mismatches 128; Indels 109; Gaps 17;
QY 10 SGSSENVIEGPQATV-LKGSQARFNCTVS--QGWL-----INWALSDMVLSVRPMEPI 62
Db 149 SPTGAVEVQVPEPVPVVALVGTDLTHCSFSPFGLTQLNLWLTDTKQLV----- 201
QY 63 ITNDRTSQRDQGNF-----TSEMIHNVPESDSGNIRCSLONSRLHGS 108
Db 202 ---HSFTEGR-DGGSAYANRTALFPDLLAQNASRLQRVRVADESGFTCFV-SIRDFGS 256
QY 109 AYLTQVMGELFTPSVNLV-----VAENPECVTLPSHWTRLP--DISWELGL---LVSH 159
Db 257 AAVSLQVAAPYSKPSMTLEPNKDLRPGDVTITC--SSYRGYPEAEVFWQDGGVPLTGN 314
QY 160 SSYFVPEPSDLQSAVSILALTPQSNGLTLCVATWKSRLKARKSATVNLTVIRCP---ODT 216
Db 315 VTTSQWANEGLFDVHSVLRVLGANGTYS-----LVRNPLVQQDA 356
QY 217 GGGINIPGVLSLPSLGSFLPTWKGVLGLAGTMLLTPTCTLTIRCCCRRCGCCGCC 276
Db 357 HGSVTTIGQPMTPPEAL-----WVTGLSVCLIALIV----- 389
QY 277 RCFCCRRKRGFRIOFKKSEKTKETETESGNENSGYNSEDQKTTDTASLPKSCS 336
Db 390 ALAFVCWRK-----IKQSCSEENAGAEQDQG-----EGGSKTALQPLKHS 432
QY 337 SDPE 340
Db 433 KEDD 436

RESULT 11

US-09-700-397-4
; Sequence 4, Application US/09700397
; Patent No. 6664383
; GENERAL INFORMATION:
; APPLICANT: Onco Pharmaceutical Co., Ltd.
; TITLE OF INVENTION: No. 6664383el Polypeptides, cDNA encoding the same, and use of
; FILE REFERENCE: Q61459

; CURRENT APPLICATION NUMBER: US/09/700,397
; CURRENT FILING DATE: 2001-01-05
; PRIOR APPLICATION NUMBER: JP 10-131815
; PRIOR FILING DATE: 1998-05-14
; PRIOR APPLICATION NUMBER: PCT/JP99/02485
; PRIOR FILING DATE: 1999-05-13
; NUMBER OF SEQ ID NOS: 19
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 4
; LENGTH: 313
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-700-397-4

Query Match
Best Local Similarity 24.1%; Pred. No. 0.0075;
Matches 58; Conservative 38; Mismatches 97; Indels 48; Gaps 12;

Qy 22 NATVLKGSQAREFNCVTSQGWKLIMWALSDMVLS-----VRPMEPIITNDRFTSQRYDQ 75
Db 13 NVTVQGESATLRCTIDNRVTRVAMLRNSTILYAGNDKWCIDPRVLLSN---TQTY-- 67

Qy 76 GGNFTSEMIHNVFSDSGNIRCSLQ-----NSRLHGSAYLTVQVMGELFIPSVNLVVA 129
Db 68 -----STIEIQNDVYDEGPTCSVQTDNHPKTSRVH---LIVQSPKIVEISSDISIN 117

Qy 130 ENPECEVTCLPSHWTRLPDISWELGLLVSHSSYFVPEPSDLOSASVILALTPOSNGTLT 189
Db 118 EGNISLTCTIATGRPE-PTVTWR---HISPKAVGFVSEDEYLE---IQGITRQSGDYE 169

Qy 190 CVATWKSALKARKSATVNLTVIRCP-----QDTGGGINIPGVL-----SSLPSLGSFLPTWG 240
Db 170 CSAS-NDVAAPVVRVVKVTNYPPISEAKGTGVPVQKGTLOCEASAVPSAEFQ---WY 225

Qy 241 K 241
Db 226 K 226

RESULT 12
US-09-700-397-3
; Sequence 3, Application US/09700397
; Patent No. 6664383
; GENERAL INFORMATION:
; APPLICANT: Ono Pharmaceutical Co., Ltd.
; FILE OF INVENTION: No. 6664383el Polypeptides, cDNA encoding the same, and use of
; CURRENT APPLICATION NUMBER: US/09/700,397
; CURRENT FILING DATE: 2001-01-05
; PRIOR APPLICATION NUMBER: JP 10-131815
; PRIOR FILING DATE: 1998-05-14
; PRIOR APPLICATION NUMBER: PCT/JP99/02485
; PRIOR FILING DATE: 1999-05-13
; NUMBER OF SEQ ID NOS: 19
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 3
; LENGTH: 344
; TYPE: PRT
; ORGANISM: Homo sapiens
; NAME/KEY: misc feature
; OTHER INFORMATION: Clone OC001 derived from human brain
US-09-700-397-3

Query Match
Best Local Similarity 24.1%; Pred. No. 0.0086;
Matches 58; Conservative 38; Mismatches 97; Indels 48; Gaps 12;

Qy 22 NATVLKGSQAREFNCVTSQGWKLIMWALSDMVLS-----VRPMEPIITNDRFTSQRYDQ 75
Db 44 NVTVQGESATLRCTIDNRVTRVAMLRNSTILYAGNDKWCIDPRVLLSN---TQTY-- 98

Qy 76 GGNFTSEMIHNVFSDSGNIRCSLQ-----NSRLHGSAYLTVQVMGELFIPSVNLVVA 129

Db 99 -----STIEIQNDVYDEGPTCSVQTDNHPKTSRVH---LIVQSPKIVEISSDISIN 148
Qy 130 ENPECEVTCLPSHWTRLPDISWELGLLVSHSSYFVPEPSDLOSASVILALTPOSNGTLT 189
Db 149 EGNISLTCTIATGRPE-PTVTWR---HISPKAVGFVSEDEYLE---IQGITRQSGDYE 200
Qy 190 CVATWKSALKARKSATVNLTVIRCP-----QDTGGGINIPGVL-----SSLPSLGSFLPTWG 240
Db 201 CSAS-NDVAAPVVRVVKVTNYPPISEAKGTGVPVQKGTLOCEASAVPSAEFQ---WY 256
Qy 241 K 241
Db 257 K 257

RESULT 13
US-09-651-200-6
; Sequence 6, Application US/09651200
; Patent No. 6429303
; GENERAL INFORMATION:
; APPLICANT: Green et al
; TITLE OF INVENTION: Polynucleotides Encoding Members of the Human B
; TITLE OF INVENTION: Lymphocyte Activation Antigen B-7 Family and
; TITLE OF INVENTION: Polypeptides Encoded Thereby
; FILE REFERENCE: 15966-562 (CURA-62)
; CURRENT APPLICATION NUMBER: US/09/651,200
; CURRENT FILING DATE: 2000-08-30
; PRIOR APPLICATION NUMBER: 60/152383
; PRIOR FILING DATE: 1999-09-03
; PRIOR APPLICATION NUMBER: 60/172909
; PRIOR FILING DATE: 1999-12-21
; PRIOR APPLICATION NUMBER: 60/183578
; PRIOR FILING DATE: 2000-02-18
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 6
; LENGTH: 534
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-651-200-6

Query Match
Best Local Similarity 21.2%; Pred. No. 0.017;
Matches 77; Conservative 49; Mismatches 129; Indels 109; Gaps 17;

Qy 10 SGSGNEVIEGPNATV-LKGSQAREFNCVTS---QGWKL---IMWALSDMVLSVVRPMEPI 62
Db 242 SPTGAVEVQVPEDPVVALVGDATLRCSFSPGPFSLAQLNLIIWLTITKQLV----- 294

Qy 63 ITNDRFTSQRYDQGGNF-----TSEMIHNVFSDSGNIRCSLQNSRLHGS 108
Db 295 ---HSFTGR-DOGSAYANRTALPDLAQNASLRLQVRVADSGSFTCFV-SIRDGFS 349

Qy 109 AYLTVQVMGELFIPSVNLV-----VAENPECEVTCLPSHWTRLP--DISWELGL---LVSH 159
Db 350 AAVSLQVAAPYXKPSMTLEPNKDLRPGDVTITTC---SSYRGYPEAEVFWQDQGVPVLTGN 407

Qy 160 SSYYFVPEPSDLOSASVILALTPOSNGTLTLCVATWKSALKARKSATVNLTVIRCP---QDT 216
Db 408 VTTSQMANEQGLFDVHSLVRVVLGANGTYSC-----LVNRPVLQDDA 449

Qy 217 GGGINIPGVLSSLPSLGSFLPTWGKVGVLGAGTLMLLTPTCTLTIRCCORRRCCGNCNC 276
Db 450 HGSVITITGPMTFPPEAL---WVTVGLSVCLIALLV----- 482

Qy 277 RCCFCRRKRGRIQFOKKSEKTKNKTETETESGNENSGNSYNDEOKTDTDTASLPKSCBS 336
Db 483 ALAFVYCWKR-----IKQSCSEENAGAEODQG-----EGGSKTALQPLKHSDS 525

Qy 337 SDPE 340
Db 526 KEDD 529

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RESULT 14
US-09-651-200-24
; Sequence 24, Application US/09651200
; Patent No. 6429303
; GENERAL INFORMATION:
; APPLICANT: Green et al
; TITLE OF INVENTION: Polynucleotides Encoding Members of the Human B
; TITLE OF INVENTION: Lymphocyte Activation Antigen B-7 Family and
; TITLE OF INVENTION: Polypeptides Encoded Thereby
; FILE REFERENCE: 15966-562 (CURA-62)
; CURRENT APPLICATION NUMBER: US/09/651,200
; CURRENT FILING DATE: 2000-08-30
; PRIOR APPLICATION NUMBER: 60/152383
; PRIOR FILING DATE: 1999-09-03
; PRIOR APPLICATION NUMBER: 60/172909
; PRIOR FILING DATE: 1999-12-21
; PRIOR APPLICATION NUMBER: 60/183578
; PRIOR FILING DATE: 2000-02-18
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 24
; LENGTH: 534
; TYPE: PRT
; ORGANISM: Unknown
; FEATURE:
; OTHER INFORMATION: Description of Unknown Organism: Sequence
; OTHER INFORMATION: mz5020.protein from Figure 4.
US-09-651-200-24

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Query Match	5.9%;	Score	121.5;	DB	4;	Length	534;
Best Local Similarity	21.2%;	Pred. No.	0.017;				
Matches	77;	Conservative	49;	Mismatches	129;	Indels	109;
						Gaps	17;

QY	10	SGS	NEVIEGPONATV-LKGSQARENCTVS--QGWKL----	IMWALSDMVLVSRPMEPI	62
Db	242	SPTG	AVEVQPEDPVVALVGDTATLRCSPGPGFSLAQNLINWLTDTKQLV----		294
QY	63	ITNDR	FTSQRYDQGNP-----	TSEMIITHNVEPSSGNIRCSLQNSRLHGS	108
Db	295	--HSF	TEGR-DQGSAYANRTALFPDILLACGNASRLQRVVADEGSFTCFV-SIRDFGS	349	
QY	109	AYLT	VQVMGELFIPSPNLV----VAENEPEVTCPLSHWTRLP--DISWELGL--LVSH	159	
Db	350	AAVSLQ	AAAPYSKPSMTLEPNKOLRPGDTVTITC--SSYRGYPEAEVFWDDQGVPLTGN	407	
QY	160	SSYF	YFPEPDLQSAVSIILATPOSNGTLCVATWKSILKARKSATVNLTVIRCP--QDT	216	
Db	408	VTT	SQMANEQGLFDVHSLRVILGANGTYSC-----LVNRPVLQDA	449	
QY	217	GGG	INIPGVLUSSLPISLGFSLPTWKGVLGAGTMLLTPTCLTIRCCRRRCGNC	276	
Db	450	HGS	VTTIGQPMTFPEAL-----WTVGLSVCLIALIV-----	482	
QY	277	RCFC	CCRRKRGFRIQOKKSEKTKNETETESGNSGYNSDEQKTTDTASLPKSCES	336	
Db	483	ALAFV	CWRK-----IKQSCSEENAGAEDQDQ-----EGEGSKTALQPLRHSDS	525	
QY	337	SDPE	340		
Db	526	KEDD	529		

RESULT 15
US-08-633-148-4
; Sequence 4, Application US/086331I48
; Patent No. 5864018
; GENERAL INFORMATION:
; APPLICANT: MORSER, MICHAEL J.
; APPLICANT: NAGASHIMA, MARIKO
; APPLICANT: HOLLANDER, DORIS A.
; TITLE OF INVENTION: ANTIBODIES TO ADVANCED GLYCOSYLATION

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1  TITLE OF INVENTION:  END-PRODUCT RECEPTOR POLYPEPTIDES AND USES THEREFOR
2
3  NUMBER OF SEQUENCES:  23
4
5  CORRESPONDENCE ADDRESS:
6
7  ADDRESSEE:  TOWNSEND & TOWNSENT & CREW LLP
8
9  STREET:  TWO EMBARCADERO CENTER, 8TH FLOOR
10
11  CITY:  SAN FRANCISCO
12
13  STATE:  CALIFORNIA
14
15  COUNTRY:  U.S.A.
16
17  ZIP:  94111
18
19  COMPUTER READABLE FORM:
20
21  MEDIUM TYPE:  Floppy disk
22
23  COMPUTER:  IBM PC compatible
24
25  OPERATING SYSTEM:  PC-DOS/MS-DOS
26
27  SOFTWARE:  PatentIn Release #1.0, Version #1.30
28
29  CURRENT APPLICATION DATA:
30
31  APPLICATION NUMBER:  US/08/633,148
32
33  FILING DATE:  16-APR-1996
34
35  CLASSIFICATION:  435
36
37  ATTORNEY/AGENT INFORMATION:
38
39  NAME:  MURPHY ESQ., MATTHEW B.
40
41  REGISTRATION NUMBER:  39,787
42
43  REFERENCE/DOCKET NUMBER:  014618-005600US
44
45  TELECOMMUNICATION INFORMATION:
46
47  TELEPHONE:  (415) 326-2400
48
49  TELEFAX:  (415) 326-2422
50
51  INFORMATION FOR SEQ ID NO:  4:
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53  SEQUENCE CHARACTERISTICS:
54
55  LENGTH:  318 amino acids
56
57  TYPE:  amino acid
58
59  STRANDEDNESS:  single
60
61  TOPOLOGY:  linear
62
63  MOLECULE TYPE:  peptide
64
65  US-08-633-148-4

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GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: July 30, 2004, 15:02:03 ; Search time 40.0537 Seconds

(without alignments)
2991.654 Million cell updates/sec

Title: US-09-729-264-2

Perfect score: 2059

Sequence: 1 MGLVIFLHSGSGNEVEGR.....HPQAFNLASPEKVSNTTVV 382

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Total number of hits satisfying chosen parameters: 1291235

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Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

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Published Applications AA:*

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- 3: /cgn2_6/ptodata/1/pubpaa/US06_NEW_PUB.pep.*
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- 7: /cgn2_6/ptodata/1/pubpaa/US08_NEW_PUB.pep.*
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- 10: /cgn2_6/ptodata/1/pubpaa/US09B_PUBCOMB.pep.*
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- 12: /cgn2_6/ptodata/1/pubpaa/US09_NEW_PUB.pep.*
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- 18: /cgn2_6/ptodata/1/pubpaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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1	2014	97.8	407	15	US-10-104-047-3074
2	147.5	7.2	390	16	Sequence 3074, Ap
3	147.5	7.2	390	16	Sequence 98, Appl
4	147.5	7.2	404	16	Sequence 100, App
5	142	6.9	405	8	US-10-309-290-96
6	140	6.8	633	14	US-08-755-235-4
7	138.5	6.7	2473	14	US-10-180-410-26
8	138.5	6.7	2473	14	US-10-184-644-559
9	138	6.7	592	12	US-10-184-634-559
10	138	6.7	592	14	US-10-312-528-2
11	136	6.6	594	12	US-10-180-410-2
12	136	6.6	594	14	US-10-312-528-12
13	136	6.6	708	12	US-10-180-410-12
14	136	6.6	708	12	US-10-206-915-584
15	136	6.6	708	12	US-10-193-670-584
					Sequence 584, App
					Sequence 584, App

16	136	6.6	708	12	US-10-205-890-584	Sequence 584, App
17	136	6.6	708	12	US-10-208-024-584	Sequence 584, App
18	136	6.6	708	12	US-10-201-853-584	Sequence 584, App
19	136	6.6	708	12	US-10-174-581-584	Sequence 584, App
20	136	6.6	708	12	US-10-176-483-584	Sequence 584, App
21	136	6.6	708	12	US-10-176-749-584	Sequence 584, App
22	136	6.6	708	12	US-10-176-914-584	Sequence 584, App
23	136	6.6	708	12	US-10-176-915-584	Sequence 584, App
24	136	6.6	708	12	US-10-176-915-584	Sequence 584, App
25	136	6.6	708	12	US-10-180-550-584	Sequence 584, App
26	136	6.6	708	12	US-10-183-014-584	Sequence 584, App
27	136	6.6	708	12	US-10-187-738-584	Sequence 584, App
28	136	6.6	708	12	US-10-187-740-584	Sequence 584, App
29	136	6.6	708	12	US-10-187-883-584	Sequence 584, App
30	136	6.6	708	12	US-10-194-363-584	Sequence 584, App
31	136	6.6	708	12	US-10-194-460-584	Sequence 584, App
32	136	6.6	708	12	US-10-194-463-584	Sequence 584, App
33	136	6.6	708	12	US-10-194-484-584	Sequence 584, App
34	136	6.6	708	12	US-10-195-884-584	Sequence 584, App
35	136	6.6	708	12	US-10-195-896-584	Sequence 584, App
36	136	6.6	708	12	US-10-196-744-584	Sequence 584, App
37	136	6.6	708	12	US-10-196-755-584	Sequence 584, App
38	136	6.6	708	12	US-10-196-757-584	Sequence 584, App
39	136	6.6	708	12	US-10-197-704-584	Sequence 584, App
40	136	6.6	708	12	US-10-197-710-584	Sequence 584, App
41	136	6.6	708	12	US-10-198-758-584	Sequence 584, App
42	136	6.6	708	12	US-10-198-766-584	Sequence 584, App
43	136	6.6	708	12	US-10-199-304-584	Sequence 584, App
44	136	6.6	708	12	US-10-199-309-584	Sequence 584, App
45	136	6.6	708	12	US-10-199-313-584	Sequence 584, App

ALIGNMENTS

RESULT 1
US-10-104-047-3074
; Sequence 3074, Application US/10104047
; Publication No. US20030236392A1
; GENERAL INFORMATION:
; APPLICANT: HELIX RESEARCH INSTITUTE
; TITLE OF INVENTION: No. US20030236392A1el full length cdna
; FILE REFERENCE: H1-A0105
; CURRENT APPLICATION NUMBER: US/10/104,047
; PRIOR FILING DATE: 2002-03-25
; PRIOR APPLICATION NUMBER:
; PRIOR FILING DATE:
; NUMBER OF SEQ ID NOS: 4096
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 3074
; LENGTH: 407
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-104-047-3074

Query Match 97.8%; Score 2014; DB 15; Length 407;
Best Local Similarity 99.7%; Pred. No. 2.2e-165;
Matches 373; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY	9	GGSGNEVEIEGPNATVLKGSQARFNCTVSCQKLMWALSDMVVLVSRPMEPIITNDRF	68
Db	34	GGSGNEVEIEGPNATVLKGSQARFNCTVSCQKLMWALSDMVVLVSRPMEPIITNDRF	93
QY	69	TSQRYDQGGNFTSEMIHNVPESDSGNRCISLQNSRLHGSAYLTQVMGELFIPSVNLV	128
Db	94	TSQRYDQGGNFTSEMIHNVPESDSGNRCISLQNSRLHGSAYLTQVMGELFIPSVNLV	153
QY	129	ANEPCEVTCLPSHWTRLPDISWELGLVSHSSYFVPEPSDLQSAVSLALTPOSNGTL	188
Db	154	ANEPCEVTCLPSHWTRLPDISWELGLVSHSSYFVPEPSDLQSAVSLALTPOSNGTL	213
QY	189	TCVATWKSILKARKSATVNLTVIRCPDQGGNIEGLVSSLSPLGFSLPTWKVGLGLAG	248

Fri Aug 6 08:39:25 2004

us-09-729-264-2.rapb

Db 214 TCVATWKSLSKARKSATVNLTVIRCPDQTGGGINIPGVLSLPSLGSFLPTWKGVLGLAG 273
QY 249 TMLLTPTCTLTIRCCCRRCRCCGCCRCFCRCRRGRFRIQFKKSEKKTNKETETE 308
Db 274 TMLLTPTCTLTIRCCCRRCRCCGCCRCFCRCRRGRFRIQFKKSEKKTNKETETE 333
QY 309 SGNENSGYNSDEQKTTDTASLPKSCSSDPQNRSSCGPPHORADQRPDPASHPOASF 368
Db 334 SGNENSGYNSDEQKTTDTASLPKSCSSDPQNRSSCGPPHORADQRPDPASHPOASF 393
QY 369 NLASPEKVSNTTV 382
Db 394 NLASPEKVSNTTV 407

RESULT 2

US-10-309-290-98
; Sequence 98, Application US/10309290
; Publication No. US20040023241A1
; GENERAL INFORMATION:
; APPLICANT: Alsobrook II, John P.
; APPLICANT: Anderson, David W.
; APPLICANT: Boldog, Ferenc L.
; APPLICANT: Burgess, Catherine E.
; APPLICANT: Chillakuru, Rajeev A.
; APPLICANT: Edinger, Shlomit R.
; APPLICANT: Gerlach, Valerie L.
; APPLICANT: Gorman, Linda
; APPLICANT: Gould-Rothberg, Bonnie E.
; APPLICANT: Guo, Xiaojia
; APPLICANT: Jeffers, Michael E.
; APPLICANT: Ji, Weizhen
; APPLICANT: Li, Li
; APPLICANT: Malyankar, Uriel M.
; APPLICANT: Miller, Charles E.
; APPLICANT: Murphey, Ryan
; APPLICANT: Patturajan, Meera
; APPLICANT: Peyman, John A.
; APPLICANT: Rastelli, Luca
; APPLICANT: Rieger, Daniel K.
; APPLICANT: Shenoy, Suresh G.
; APPLICANT: Smithson, Glenda
; APPLICANT: Starling, Gary
; APPLICANT: Taupier, Raymond J.
; APPLICANT: Voss, Edward Z.
; APPLICANT: Zhong, Haihong
; APPLICANT: Zhong, Mei

; TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHOD
; FILE REFERENCE: 21402-502A
; CURRENT APPLICATION NUMBER: US/10/309,290
; PRIOR FILING DATE: 2002-12-02
; PRIOR APPLICATION NUMBER: 60/336,600
; PRIOR FILING DATE: 2001-12-05
; PRIOR APPLICATION NUMBER: 60/338,285
; PRIOR FILING DATE: 2001-12-07
; PRIOR APPLICATION NUMBER: 60/341,346
; PRIOR FILING DATE: 2001-12-12
; PRIOR APPLICATION NUMBER: 60/341,477
; PRIOR FILING DATE: 2001-12-17
; PRIOR APPLICATION NUMBER: 60/341,540
; PRIOR FILING DATE: 2001-12-17
; PRIOR APPLICATION NUMBER: 60/342,592
; PRIOR FILING DATE: 2001-12-20
; PRIOR APPLICATION NUMBER: 60/344,297
; PRIOR FILING DATE: 2001-12-27
; PRIOR APPLICATION NUMBER: 60/344,903
; PRIOR FILING DATE: 2001-12-31
; PRIOR APPLICATION NUMBER: 60/373,288
; PRIOR FILING DATE: 2002-04-17
; PRIOR APPLICATION NUMBER: 60/380,981
; PRIOR FILING DATE: 2002-05-15
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 274

; SOFTWARE: CuraseqList version 0.1
; SEQ ID NO 98
; LENGTH: 390
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-309-290-98

Query Match 7.2%; Score 147.5; DB 16; Length 390;
Best Local Similarity 22.6%; Pred. No. 0.00045;
Matches 85; Conservative 40; Mismatches 114; Indels 137; Gaps 18;

QY 15 EVIEGPNATVLKGSQARFNCTVSQG---WKLIMWALSMDVLSVRPMEPIITNDRTS- 70
Db 111 EIVDSASELTA--GVPNKVGTCTVSEGSYPAGTILSWHLDG-----KPLVPNEKGVSV 159
QY 71 ----QRYDQGNFT--SEMIHNVEPSDSGNIR-----CSLQNSRLHGSAYLTQVMGSELF 120
Db 160 KEQTRRHPTGLFTLOSELM---VTPARGGDPRTFTSCSPGLPHRALRTAPIQPRVW 216
QY 121 IP-----SVNLVVAENEP-----CEVTCPLPSHWTRLPDISWELGLLVSHSSY 162
Db 217 EPVPLEEVQLVV--BPEGGAAPGGTTLTCEVPAQPS-----PQIHWMKD----- 260
QY 163 YFVPEPSDLOSAVSILALTQSNGLTLCVATWKSLSKARKSATVNLTVIRCPDQTGGGINI 222
Db 261 -GVPLPLPPSPVLILPEIGPDQGTYSCTVATHSSHGPOESRAVVISIIE-PGEEG----- 313
QY 223 PGVLSLPSLGSFLPTWKGVLGLAGTMLLT-----PTCTLTIRCCCRRCRCCGCCNCC 275
Db 314 -----PTAGSVGGSGLGHIALALGILGGLTAALLJGVILWQRR----- 352
QY 276 CRCCFCRCRRKRGRFRIQFKKSEKKT--NKETETESGNENSGYNSDEQKTTDTASLPKPS 333
Db 353 -----QRRGEERKAPENQEEERAEIN----- 375
QY 334 CRSSDPQNRSSCGPP 349
Db 376 -QSBEPEAGESSTGGP 390

RESULT 3

US-10-309-290-100
; Sequence 100, Application US/10309290
; Publication No. US20040023241A1
; GENERAL INFORMATION:
; APPLICANT: Alsobrook II, John P.
; APPLICANT: Anderson, David W.
; APPLICANT: Boldog, Ferenc L.
; APPLICANT: Burgess, Catherine E.
; APPLICANT: Chillakuru, Rajeev A.
; APPLICANT: Edinger, Shlomit R.
; APPLICANT: Gerlach, Valerie L.
; APPLICANT: Gorman, Linda
; APPLICANT: Gould-Rothberg, Bonnie E.
; APPLICANT: Guo, Xiaojia
; APPLICANT: Jeffers, Michael E.
; APPLICANT: Ji, Weizhen
; APPLICANT: Li, Li
; APPLICANT: Malyankar, Uriel M.
; APPLICANT: Miller, Charles E.
; APPLICANT: Murphey, Ryan
; APPLICANT: Patturajan, Meera
; APPLICANT: Peyman, John A.
; APPLICANT: Rastelli, Luca
; APPLICANT: Rieger, Daniel K.
; APPLICANT: Shenoy, Suresh G.
; APPLICANT: Smithson, Glenda
; APPLICANT: Starling, Gary
; APPLICANT: Taupier, Raymond J.
; APPLICANT: Voss, Edward Z.
; APPLICANT: Zhong, Haihong
; APPLICANT: Zhong, Mei

; TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHOD

```
; FILE REFERENCE: 21402-502A
; CURRENT APPLICATION NUMBER: US/10/309,290
; CURRENT FILING DATE: 2002-12-02
; PRIOR APPLICATION NUMBER: 60/336,600
; PRIOR FILING DATE: 2001-12-05
; PRIOR APPLICATION NUMBER: 60/338,285
; PRIOR FILING DATE: 2001-12-07
; PRIOR APPLICATION NUMBER: 60/341,346
; PRIOR FILING DATE: 2001-12-12
; PRIOR APPLICATION NUMBER: 60/341,477
; PRIOR FILING DATE: 2001-12-17
; PRIOR APPLICATION NUMBER: 60/341,540
; PRIOR FILING DATE: 2001-12-20
; PRIOR APPLICATION NUMBER: 60/342,592
; PRIOR FILING DATE: 2001-12-27
; PRIOR APPLICATION NUMBER: 60/344,297
; PRIOR FILING DATE: 2001-12-31
; PRIOR APPLICATION NUMBER: 60/373,288
; PRIOR FILING DATE: 2002-04-17
; PRIOR APPLICATION NUMBER: 60/380,981
; PRIOR FILING DATE: 2002-05-15
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 274
; SOFTWARE: CuraSeqList version 0.1
; SEQ ID NO 100
; LENGTH: 390
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-309-290-100

Query Match      7.2%; Score 147.5; DB 16; Length 390;
Best Local Similarity 22.6%; Pred. No. 0.00045;
Matches 85; Conservative 40; Mismatches 114; Indels 137; Gaps 18;

QY 15 EVIEGPONATVLKGSQARFNCTVSOG---WKLIMWALSDMVVLSVRPMEPIITNDRFTS- 70
Db 111 EIVDSASELTA--GVNPKVGTVCSEGSYPAGTUSWHLDG-----KPLVNEKGVSV 159

QY 71 ----QRYDQGNFT--SEMI IHNVPESDSGNIR-----CSLQNSRLHGSAYLTQVMGELF 120
Db 160 KEQTRHRPTGLTLOSELN---VTPARGGDRPTFCSCFSPGLPRHRLRTAPIQPRVM 216

QY 121 IP-----SVNLVVAENP-----CEVTLCPHSHWTRLPDISWELGLLVSHSSY 162
Db 217 EIVPLEEVQLV---EPEGAVAPGGTTLTCEVPAQPS-----PQIHWMKD----- 260

QY 163 YFVPEPDLQSAVSIILALTPQSGNTLTVCATWKSARKSATVNLTVIRCPDPTGGGINI 222
Db 261 -GVPLPLPPSPVLLPEIGPQDQTYSCVATHSHSGPQBSRAVISIIE-PEEG----- 313

QY 223 PGVLSLPSLPSLPTWKGKVLGLACTMLLT-----PTCTLTRCCCRRCRCGCCNCC 275
Db 314 -----PTAGSVGGSGLGLTALGILGGLTAALLIGVILWQRR----- 352

QY 276 CRCCFCRRKRGRIQFOFKKSKEKT--NKETETESGENSGNSGVNDEQKTTDTASLPKPS 333
Db 353 -----QRRGERKAPENQEEERAEIN----- 375

QY 334 CESSDPEQRNSSCGPP 349
Db 376 -QSEEPAGESTGGP 390

RESULT 4
US-10-309-290-96
; Sequence 96, Application US/10309290
; Publication No. US20040023241A1
; GENERAL INFORMATION:
; APPLICANT: Alsobrook II, John P.
; APPLICANT: Anderson, David W.
; APPLICANT: Boldog, Ferenc L.
```

```
; APPLICANT: Burgess, Catherine E.
; APPLICANT: Chillakuru, Rajeev A.
; APPLICANT: Edinger, Shlomit R.
; APPLICANT: Gerlach, Valerie L.
; APPLICANT: Gorman, Linda
; APPLICANT: Gould-Rothberg, Bonnie E.
; APPLICANT: Guo, Xiaojia
; APPLICANT: Jeffers, Michael E.
; APPLICANT: Ji, Weizhen
; APPLICANT: Li, Li
; APPLICANT: Malyankar, Uriel M.
; APPLICANT: Miller, Charles E.
; APPLICANT: Murphey, Ryan
; APPLICANT: Patturajan, Meera
; APPLICANT: Peyman, John A.
; APPLICANT: Rastelli, Luca
; APPLICANT: Rieger, Daniel K.
; APPLICANT: Shenoy, Suresh G.
; APPLICANT: Smithson, Glennda
; APPLICANT: Starling, Gary
; APPLICANT: Taupier, Raymond J.
; APPLICANT: Voss, Edward Z.
; APPLICANT: Zhong, Haihong
; APPLICANT: Zhong, Mei
; TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHOD
; FILE REFERENCE: 21402-502A
; CURRENT APPLICATION NUMBER: US/10/309,290
; CURRENT FILING DATE: 2002-12-02
; PRIOR APPLICATION NUMBER: 60/336,600
; PRIOR FILING DATE: 2001-12-05
; PRIOR APPLICATION NUMBER: 60/338,285
; PRIOR FILING DATE: 2001-12-07
; PRIOR APPLICATION NUMBER: 60/341,346
; PRIOR FILING DATE: 2001-12-12
; PRIOR APPLICATION NUMBER: 60/341,477
; PRIOR FILING DATE: 2001-12-17
; PRIOR APPLICATION NUMBER: 60/341,540
; PRIOR FILING DATE: 2001-12-17
; PRIOR APPLICATION NUMBER: 60/342,592
; PRIOR FILING DATE: 2001-12-20
; PRIOR APPLICATION NUMBER: 60/344,297
; PRIOR FILING DATE: 2001-12-27
; PRIOR APPLICATION NUMBER: 60/344,903
; PRIOR FILING DATE: 2001-12-31
; PRIOR APPLICATION NUMBER: 60/373,288
; PRIOR FILING DATE: 2002-04-17
; PRIOR APPLICATION NUMBER: 60/380,981
; PRIOR FILING DATE: 2002-05-15
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 274
; SOFTWARE: CuraSeqList version 0.1
; SEQ ID NO 96
; LENGTH: 404
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-309-290-96

Query Match      7.2%; Score 147.5; DB 16; Length 404;
Best Local Similarity 22.6%; Pred. No. 0.00047;
Matches 85; Conservative 40; Mismatches 114; Indels 137; Gaps 18;

QY 15 EVIEGPONATVLKGSQARFNCTVSOG---WKLIMWALSDMVVLSVRPMEPIITNDRFTS- 70
Db 125 EIVDSASELTA--GVNPKVGTVCSEGSYPAGTUSWHLDG-----KPLVNEKGVSV 173

QY 71 ----QRYDQGNFT--SEMI IHNVPESDSGNIR-----CSLQNSRLHGSAYLTQVMGELF 120
Db 174 KEQTRHRPTGLTLOSELN---VTPARGGDRPTFCSCFSPGLPRHRLRTAPIQPRVM 230

QY 121 IP-----SVNLVVAENP-----CEVTLCPHSHWTRLPDISWELGLLVSHSSY 162
Db 231 EIVPLEEVQLV---EPEGAVAPGGTTLTCEVPAQPS-----PQIHWMKD----- 274
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163 YFVPEPSDQSAVSIALLTPQSNGLTLCVATWKSLSKARKSATVNLTVIRCPQDTGGGINI 222
275 -GVPLPLPPSPVLILPEIGPDQGTYSVCVATHSHGQBSRAVSIISIE-PGEEG----- 327
223 PGVLSLPSLPGSLPTWGVGLAGTMLLT-----PTCTLTIRCCCRRCRCGCNCOC 275
328 -----PTAGSVGGSLGTALALGILGGLGTAAALLIGVILWQRR----- 366
276 CRCCFCRRKRGRFRIQFKKSEKKT--NKETETESNGNSGYNSDEQKTTDTASLPKPS 333
367 -----QRGEERKAPENQEEERAEIN----- 389
334 CESSDPEQRNSSCGPP 349
390 -QSEEPAGESSTGGP 404

RESULT 5
US-08-755-235-4
; Sequence 4, Application US/08755235
; Publication No. US20030059423A1
; GENERAL INFORMATION:
; APPLICANT: Stern, David M.
; APPLICANT: Schmidt, Ann Marie
; APPLICANT: Wu, Jun
; TITLE OF INVENTION: METHOD FOR TREATING SYMPTOMS OF DIABETES
; FILE REFERENCE: 0575/50159
; CURRENT APPLICATION NUMBER: US/08755,235
; PRIOR FILING DATE: 1996-11-22
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 4
; LENGTH: 405
; TYPE: PRT
; ORGANISM: Human
US-08-755-235-4

Query Match
Best Local Similarity 22.8%; Pred. No. 0.0014;
Matches 86; Conservative 40; Mismatches 113; Indels 138; Gaps 19;

15 EVIRGPNQATVLKGSQARFNCTVSG---WKLIMWALSDMVVLSVRPMEPIITNDRFTS- 70
125 EIVDSASELTA--GVFNKVGTCVSEGSYPAGTLSHLDG-----KPLVPNEKGVSV 173
71 ----QRVDQGNFT--SMITHNVEPSDGNIR-----CSLQNSRLHGSAYLTVQVMGELF 120
174 KEQTRRHDPETGLFTLQSELM---VTPARGDPRPTFCSPGLPRHRALTRAPIQPRVM 230
121 IP-----SVNLVAENEP-----CEVTCPLPSHWTRLPDISWELGLLVSHSSY 162
231 EPVPLEEVQLVV---EPGGAVAGGTVTLTCEVPAQFS-----PQIHWMD----- 274
163 YFVPEPSDQSAVSIALLTPQSNGLTLCVATWKSLSKARKS-ATVNLTVIRCPQDTGGGINI 221
275 -GVPLPLPPSPVLILPEIGPDQGTYSVCVATHSHGQBSRAVSIISIE-PGEEG----- 328
222 IPGVLSLPSLPGSLPTWGVGLAGTMLLT-----PTCTLTIRCCCRRCRCGCNCOC 274
329 -----PTAGSVGGSLGTALALGILGGLGTAAALLIGVILWQRR----- 367
275 CCRCCFCRRKRGRFRIQFKKSEKKT--NKETETESNGNSGYNSDEQKTTDTASLPKPS 332
368 -----QRGEERKAPENQEEERAEIN----- 390
333 CESSDPEQRNSSCGPP 349
391 -QSEEPAGESSTGGP 405

RESULT 6
US-10-180-410-26
; Sequence 26, Application US/10180410

Publication No. US20030148382A1
; GENERAL INFORMATION:
; APPLICANT: SUN, CHAO
; APPLICANT: CARULLI, JOHN P.
; APPLICANT: LUKASHIN, ALEXANDER V.
; APPLICANT: KILBURN, DANIEL R.
; TITLE OF INVENTION: PANCAK NUCLEIC ACIDS AND POLYPEPTIDES
; FILE REFERENCE: A097 CIP
; CURRENT APPLICATION NUMBER: US/10/180,410
; CURRENT FILING DATE: 2002-06-24
; PRIOR APPLICATION NUMBER: PCT/US01/19904
; PRIOR FILING DATE: 2001-06-22
; PRIOR APPLICATION NUMBER: 60/213,611
; PRIOR FILING DATE: 2000-06-22
; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 26
; LENGTH: 633
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-180-410-26

Query Match
Best Local Similarity 24.2%; Pred. No. 0.0038;
Matches 56; Conservative 40; Mismatches 105; Indels 30; Gaps 10;

3 LVIFLHSGSGNEVIEGPQNAATVLKGSQARFNCTVSGWKLIMWALSDMVVLSVRPMEPI 62
13 LFCFRGAGSPHFLQOPELVLGGEARLPCALGAYWGLVQWTKSLGALGGOR----- 67
63 ITNDRFTSORYDQGNFTS---EMITHNVEPSDGNIRCSLQNSRLHG-SAYLTV----- 113
68 ---DLPGWSRYWISGNAANGQHDHIFRPFVELEDEASVECOATQAGLSRPAQLHVLVPE 124
114 ---QVMGELFTPSNVLVAENEPCEVTCPLPSHWTR-LPDISM-ELGLLVSHSSY--FVPE 167
125 APQVLGG---PSVSLVA--GVFANITCRSGDARPTFELLWFRGVLLDGNATFHQTLKE 179
168 --PSDLQSAVSIALLTPQSNGLTLCVATWKSLSKARKSATVNLTVIRCPQDT 216
180 GTFQSVESVTLTLPFSDHDDGATLVCRRASQALPTGRDTATLSLQYPPEVT 230

RESULT 7
US-10-184-644-559
; Sequence 559, Application US/10184644
; Publication No. US20030044930A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C227
; CURRENT APPLICATION NUMBER: US/10/184,644
; CURRENT FILING DATE: 2002-06-28
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 559
; LENGTH: 2473
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-184-644-559

Query Match
6.7%; Score 138.5; DB 14; Length 2473;

Best Local Similarity 29.5%; Pred. No. 0.033;
Matches 31; Conservative 3; Mismatches 36; Indels 35; Gaps 2;

QY 179 ALTPQSGNGLTCTVATWKSARKSATVNLTVIRCPQDTGGGINIPGVLSLPSLGSFSLPT 238
Db 2274 AATTGAAGTTTCAATTAATAATTTAATATGTTTCC-----2307
QY 239 WGVVGLGLAGTMLLTPTCTLTIRCCCR-RRCCGNCNCCRCFC 282
Db 2308 -----ATTCTCATCGCCACCCACCCGCCCCCACC 2344

RESULT 8

US-10-184-634-559
; Sequence 559, Application US/10184634
; Publication No. US20030068684A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3430R1C217
; CURRENT APPLICATION NUMBER: US/10/184,634
; CURRENT FILING DATE: 2002-06-28
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 559
; LENGTH: 2473
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-184-634-559

Query Match 6.7%; Score 138.5; DB 14; Length 2473;
Best Local Similarity 29.5%; Pred. No. 0.033;
Matches 31; Conservative 3; Mismatches 36; Indels 35; Gaps 2;

QY 179 ALTPQSGNGLTCTVATWKSARKSATVNLTVIRCPQDTGGGINIPGVLSLPSLGSFSLPT 238
Db 2274 AATTGAAGTTTCAATTAATAATTTAATATGTTTCC-----2307
QY 239 WGVVGLGLAGTMLLTPTCTLTIRCCCR-RRCCGNCNCCRCFC 282
Db 2308 -----ATTCTCATCGCCACCCACCCGCCCCCACC 2344

RESULT 9

US-10-312-528-2
; Sequence 2, Application US/10312528
; Publication No. US20030211517A1
; GENERAL INFORMATION:
; APPLICANT: BIOGEN, INC.
; APPLICANT: CARULLI, JOHN P.
; APPLICANT: LUKASHIN, ALEXANDER V.
; APPLICANT: KILBURN, DANIEL R.
; APPLICANT: SUN, CHAO
; TITLE OF INVENTION: GP354 NUCLEIC ACIDS AND POLYPEPTIDES
; FILE REFERENCE: A097PCT00454-114
; CURRENT APPLICATION NUMBER: US/10/312,528
; CURRENT FILING DATE: 2002-12-23
; PRIOR APPLICATION NUMBER: 60/213,611
; PRIOR FILING DATE: 2000-06-22
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2

; LENGTH: 592
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-312-528-2

Query Match 6.7%; Score 138; DB 12; Length 592;
Best Local Similarity 23.8%; Pred. No. 0.0052;
Matches 55; Conservative 40; Mismatches 106; Indels 30; Gaps 10;

QY 3 LVIFLHSGSGNEVIEGPQNAVTLKGSQARFNCTVSGWKLMWALSMDVLSVRPMEPI 62
Db 10 LFCFRGSAGSPHFLQOPEDLVLLGGEARLPCALGAYWGLVQWTKSGLALGGQR-----64
QY 63 ITNDRFTSORYDQGNFTS---EMIIHNVEPDSGNIRCSLQNSRLHG-SAYLTV-----113
Db 65 ---DLPGWSRYWISGNAANGQHDHLIRPVELEDEASYEQATQAGLSRPAQLHLVLPPE 121
QY 114 --QVMGELFIPSVNLVVAENEPCEVTCLPSHWTR-LPDISW-ELGLLVSHSSY--FVPE 167
Db 122 APQVLGG---PSVSLVA--GVPAULTCRSGRDARPTPELLWFRDGVLLDGTTFHQTLLKE 176
QY 168 --PSDLQSAVSILALTPQSGNGLTCTVATWKSARKSATVNLTVIRCPQDT 216
Db 177 GTPGSVESTLTTLTPFSHDDGATFVCRARSQALPTGRDTAILLSLOYPEVT 227

RESULT 10

US-10-180-410-2
; Sequence 2, Application US/10180410
; Publication No. US20030148382A1
; GENERAL INFORMATION:
; APPLICANT: SUN, CHAO
; APPLICANT: CARULLI, JOHN P.
; APPLICANT: LUKASHIN, ALEXANDER V.
; APPLICANT: KILBURN, DANIEL R.
; TITLE OF INVENTION: PANCAM NUCLEIC ACIDS AND POLYPEPTIDES
; FILE REFERENCE: A097 CJP
; CURRENT APPLICATION NUMBER: US/10/180,410
; CURRENT FILING DATE: 2002-06-24
; PRIOR APPLICATION NUMBER: PCT/US01/19904
; PRIOR FILING DATE: 2001-06-22
; PRIOR APPLICATION NUMBER: 60/213,611
; PRIOR FILING DATE: 2000-06-22
; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 592
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-180-410-2

Query Match 6.7%; Score 138; DB 14; Length 592;
Best Local Similarity 23.8%; Pred. No. 0.0052;
Matches 55; Conservative 40; Mismatches 106; Indels 30; Gaps 10;

QY 3 LVIFLHSGSGNEVIEGPQNAVTLKGSQARFNCTVSGWKLMWALSMDVLSVRPMEPI 62
Db 10 LFCFRGSAGSPHFLQOPEDLVLLGGEARLPCALGAYWGLVQWTKSGLALGGQR-----64
QY 63 ITNDRFTSORYDQGNFTS---EMIIHNVEPDSGNIRCSLQNSRLHG-SAYLTV-----113
Db 65 ---DLPGWSRYWISGNAANGQHDHLIRPVELEDEASYEQATQAGLSRPAQLHLVLPPE 121
QY 114 --QVMGELFIPSVNLVVAENEPCEVTCLPSHWTR-LPDISW-ELGLLVSHSSY--FVPE 167
Db 122 APQVLGG---PSVSLVA--GVPAULTCRSGRDARPTPELLWFRDGVLLDGTTFHQTLLKE 176
QY 168 --PSDLQSAVSILALTPQSGNGLTCTVATWKSARKSATVNLTVIRCPQDT 216
Db 177 GTPGSVESTLTTLTPFSHDDGATFVCRARSQALPTGRDTAILLSLOYPEVT 227

RESULT 11

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US-10-312-528-12
; Sequence 12, Application US/10312528
; Publication No. US20030211517A1
; GENERAL INFORMATION:
; APPLICANT: BIOGEN, INC.
; APPLICANT: CARULLI, JOHN P.
; APPLICANT: LUKASHIN, ALEXANDER V.
; APPLICANT: KILBURN, DANIEL R.
; APPLICANT: SUN, CHAO
; TITLE OF INVENTION: GP354 NUCLEIC ACIDS AND POLYPEPTIDES
; FILE REFERENCE: A097PCT00454-114
; CURRENT APPLICATION NUMBER: US/10/312,528
; CURRENT FILING DATE: 2002-12-23
; PRIOR APPLICATION NUMBER: 60/213,611
; PRIOR FILING DATE: 2000-06-22
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 12
; LENGTH: 594
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-312-528-12

Query Match
Best Local Similarity 23.8%; Score 136; DB 12; Length 594;
Matches 55; Conservative 40; Mismatches 106; Indels 30; Gaps 10;

QY 3 LVIFLHGSGGNEVIEGPQNAVTLKGSQARFNCTVSGQWKLIMWALSDMVVLSVRPMEPI 62
Db 10 LFCFRGRAGSPHFLQPPEDLVLLGGEARLPCALGAYWGLVQWTKSGLALGGOR----- 64

QY 63 ITNDRFTSQRYDOGNFTS---EMIHNVEPSDGNIRCSLQNSRLHG-SAYLTV----- 113
Db 65 ---DLPGWSRYWISGNAANGQHDHIRPVELEDEASVECOATQAGLRSRPAQLHLVLPPE 121

QY 114 --QVMGELFIPSVNLVAENPECVTCPLPSHWTR-LPDISW-ELGLLVSHSSYY--FVPE 167
Db 122 APQVLGG---PVSILVA--GVPAINTCSRSGDARPTPELLWFRDGVLLDGTATHTQLLKE 176

QY 168 --PSDLOSASVILALTPQSNGLTLCVATWKSLLKARKSATVNLTVIRCPQDT 216
Db 177 GTPGSVESTLTLPFSHDDGATFVCRARSQALPTGRDPTAITLSLQYPPEVT 227

RESULT 13
US-10-206-915-584
; Sequence 584, Application US/10206915
; Publication No. US20040029221A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3430KIC513
; CURRENT APPLICATION NUMBER: US/10/206,915
; CURRENT FILING DATE: 2002-07-26
; PRIOR APPLICATION NUMBER: 10/052586
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 584
; LENGTH: 708
; TYPE: PRT
; ORGANISM: Homo sapien
US-10-206-915-584

Query Match
Best Local Similarity 23.8%; Score 136; DB 12; Length 708;
Matches 55; Conservative 40; Mismatches 106; Indels 30; Gaps 10;

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US-10-180-410-12
; Sequence 12, Application US/10180410
; Publication No. US20030148382A1
; GENERAL INFORMATION:
; APPLICANT: SUN, CHAO
; APPLICANT: CARULLI, JOHN P.
; APPLICANT: LUKASHIN, ALEXANDER V.
; APPLICANT: KILBURN, DANIEL R.
; TITLE OF INVENTION: PANCAN NUCLEIC ACIDS AND POLYPEPTIDES
; FILE REFERENCE: A097 CIP
; CURRENT APPLICATION NUMBER: US/10/180,410
; CURRENT FILING DATE: 2002-06-24
; PRIOR APPLICATION NUMBER: PCT/US01/19904
; PRIOR FILING DATE: 2001-06-22
; PRIOR APPLICATION NUMBER: 60/213,611
; PRIOR FILING DATE: 2000-06-22
; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 12
; LENGTH: 594
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-180-410-12

Query Match
Best Local Similarity 23.8%; Score 136; DB 14; Length 594;
Matches 55; Conservative 40; Mismatches 106; Indels 30; Gaps 10;

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US-10-180-410-12
; Sequence 12, Application US/10180410
; Publication No. US20030148382A1
; GENERAL INFORMATION:
; APPLICANT: SUN, CHAO
; APPLICANT: CARULLI, JOHN P.
; APPLICANT: LUKASHIN, ALEXANDER V.
; APPLICANT: KILBURN, DANIEL R.
; TITLE OF INVENTION: PANCAN NUCLEIC ACIDS AND POLYPEPTIDES
; FILE REFERENCE: A097 CIP
; CURRENT APPLICATION NUMBER: US/10/180,410
; CURRENT FILING DATE: 2002-06-24
; PRIOR APPLICATION NUMBER: PCT/US01/19904
; PRIOR FILING DATE: 2001-06-22
; PRIOR APPLICATION NUMBER: 60/213,611
; PRIOR FILING DATE: 2000-06-22
; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 12
; LENGTH: 594
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-180-410-12

Query Match
Best Local Similarity 23.8%; Score 136; DB 14; Length 594;
Matches 55; Conservative 40; Mismatches 106; Indels 30; Gaps 10;

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QY 3 LVIFLHGSGGNEVIEGPQNAVTLKGSQARFNCTVSGQWKLIMWALSDMVVLSVRPMEPI 62
Db 13 LFCFRGRAGSPHFLQPPEDLVLLGGEARLPCALGAYWGLVQWTKSGLALGGOR----- 67

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QY 63 ITNDRFTSQRXDOGNFTS---EMIIHNVPDSGNIRCSLQNSRLHG-SAYLTV----- 113
 Db 68 ---DLPQWSRYWISGNAANGQHDHIRPVELEDEASVECOATQAGLRSPALHVLVPPE 124
 QY 114 --QVMGELFIPSNVLVAENPECEVTCLPSSHWR-LPDISW-ELGLLVSHSSYY--FVPE 167
 Db 125 APQVLGG---PSVSLVA--GVPANLTCRSRGDARPTPELLWFRDGVLLDGAFTHTLLKE 179
 QY 168 --PSDLOSAVSIILTPQSNGLTTCVATWKSLLKARKSATVNLTVIRCPQDT 216
 Db 180 GTFGSVESTLTLPFPSSHDDGATFCVCRARSQALPTGRDTAITLSLQYPPPEVT 230

RESULT 14

US-10-199-670-584

; Sequence 584, Application US/10199670
 ; Publication No. US20040033560A1

GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.
 ; APPLICANT: Chen, Jian
 ; APPLICANT: Desnoyers, Luc
 ; APPLICANT: Goddard, Audrey
 ; APPLICANT: Godowski, Paul J.
 ; APPLICANT: Gurney, Austin L.
 ; APPLICANT: Pan, James
 ; APPLICANT: Smith, Victoria
 ; APPLICANT: Watanabe, Colin K.
 ; APPLICANT: Wood, William I.
 ; APPLICANT: Zhang, Zemin

; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC

; FILE REFERENCE: P3430R1C401

; CURRENT APPLICATION NUMBER: US/10/199,670

; PRIOR FILING DATE: 2002-07-19

; PRIOR APPLICATION NUMBER: 10/052586

; PRIOR FILING DATE: 2002-01-15

; PRIOR APPLICATION NUMBER: 60/059263

; PRIOR FILING DATE: 1997-09-18

; PRIOR APPLICATION NUMBER: 60/059266

; PRIOR FILING DATE: 1997-09-18

; PRIOR APPLICATION NUMBER: 60/062250

; PRIOR FILING DATE: 1997-10-17

; PRIOR APPLICATION NUMBER: 60/063120

; PRIOR FILING DATE: 1997-10-24

; PRIOR APPLICATION NUMBER: 60/063121

; PRIOR FILING DATE: 1997-10-24

; PRIOR APPLICATION NUMBER: 60/063486

; PRIOR FILING DATE: 1997-10-21

; PRIOR APPLICATION NUMBER: 60/063540

; PRIOR FILING DATE: 1997-10-28

; PRIOR APPLICATION NUMBER: 60/063541

; PRIOR FILING DATE: 1997-10-28

; PRIOR APPLICATION NUMBER: 60/063544

; PRIOR FILING DATE: 1997-10-28

; Prior Application data removed - See File Wrapper or PALM.

; NUMBER OF SEQ ID NOS: 612

; SEQ ID NO 584

; LENGTH: 708

; TYPE: PRT

; ORGANISM: Homo Sapien

US-10-199-670-584

Query Match 6.6%; Score 136; DB 12; Length 708;

Best Local Similarity 23.8%; Pred. No. 0.0099;

Matches 55; Conservative 40; Mismatches 106; Indels 30; Gaps 10;

QY 3 LVIFLHGSGNEVIGPONATVLKGSQARFNCTVSGQKLIWALSDMVLSVRPMEPI 62

Db 13 LFCFRGAGPSPHFLOQPEDLVLLGEARLPALCAYWGLVQWTKSGIALGGQR----- 67

QY 63 ITNDRFTSQRXDOGNFTS---EMIIHNVPDSGNIRCSLQNSRLHG-SAYLTV----- 113

Db 68 ---DLPQWSRYWISGNAANGQHDHIRPVELEDEASVECOATQAGLRSPALHVLVPPE 124
 QY 114 --QVMGELFIPSNVLVAENPECEVTCLPSSHWR-LPDISW-ELGLLVSHSSYY--FVPE 167
 Db 125 APQVLGG---PSVSLVA--GVPANLTCRSRGDARPTPELLWFRDGVLLDGAFTHTLLKE 179
 QY 168 --PSDLOSAVSIILTPQSNGLTTCVATWKSLLKARKSATVNLTVIRCPQDT 216
 Db 180 GTFGSVESTLTLPFPSSHDDGATFCVCRARSQALPTGRDTAITLSLQYPPPEVT 230

RESULT 15

US-10-201-858-584

; Sequence 584, Application US/10201858

; Publication No. US2004003837A1

GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.
 ; APPLICANT: Chen, Jian
 ; APPLICANT: Desnoyers, Luc
 ; APPLICANT: Goddard, Audrey
 ; APPLICANT: Godowski, Paul J.
 ; APPLICANT: Gurney, Austin L.
 ; APPLICANT: Pan, James
 ; APPLICANT: Smith, Victoria
 ; APPLICANT: Watanabe, Colin K.
 ; APPLICANT: Wood, William I.
 ; APPLICANT: Zhang, Zemin

; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC

; FILE REFERENCE: P3430R1C464

; CURRENT APPLICATION NUMBER: US/10/201,858

; PRIOR FILING DATE: 2002-07-23

; PRIOR APPLICATION NUMBER: 10/052586

; PRIOR FILING DATE: 2002-01-15

; PRIOR APPLICATION NUMBER: 60/059263

; PRIOR FILING DATE: 1997-09-18

; PRIOR APPLICATION NUMBER: 60/059266

; PRIOR FILING DATE: 1997-09-18

; PRIOR APPLICATION NUMBER: 60/062250

; PRIOR FILING DATE: 1997-10-17

; PRIOR APPLICATION NUMBER: 60/063120

; PRIOR FILING DATE: 1997-10-24

; PRIOR APPLICATION NUMBER: 60/063121

; PRIOR FILING DATE: 1997-10-24

; PRIOR APPLICATION NUMBER: 60/063486

; PRIOR FILING DATE: 1997-10-21

; PRIOR APPLICATION NUMBER: 60/063540

; PRIOR FILING DATE: 1997-10-28

; PRIOR APPLICATION NUMBER: 60/063541

; PRIOR FILING DATE: 1997-10-28

; PRIOR APPLICATION NUMBER: 60/063544

; PRIOR FILING DATE: 1997-10-28

; Prior Application data removed - See File Wrapper or PALM.

; NUMBER OF SEQ ID NOS: 612

; SEQ ID NO 584

; LENGTH: 708

; TYPE: PRT

; ORGANISM: Homo Sapien

US-10-201-858-584

Query Match 6.6%; Score 136; DB 12; Length 708;

Best Local Similarity 23.8%; Pred. No. 0.0099;

Matches 55; Conservative 40; Mismatches 106; Indels 30; Gaps 10;

QY 3 LVIFLHGSGNEVIGPONATVLKGSQARFNCTVSGQKLIWALSDMVLSVRPMEPI 62

Db 13 LFCFRGAGPSPHFLOQPEDLVLLGEARLPALCAYWGLVQWTKSGIALGGQR----- 67

QY 63 ITNDRFTSQRXDOGNFTS---EMIIHNVPDSGNIRCSLQNSRLHG-SAYLTV----- 113

Db 68 ---DLPQWSRYWISGNAANGQHDHIRPVELEDEASVECOATQAGLRSPALHVLVPPE 124

QY 114 --QVMGELFIPSNVLVAENPECEVTCLPSSHWR-LPDISW-ELGLLVSHSSYY--FVPE 167

Fri Aug 6 08:39:25 2004

Db 125 APOVLGG--PSVSLVA--GVPANLTCRSGRDARPTPELLWFRDGVLLDGATEHQTLKE 179
QY 168 --PSDLQSAVSIILALTPQSNGLTTCVATWKSXLKARKSATVNLTVIRCPOPT 216
Db 180 GTEGSVESTILTTFPSHDDGATFVCRARSQALPTGRDITAILSLQYPPEVT 230

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OM protein - protein search, using sw model

Run on: July 30, 2004, 14:57:22 ; Search time 15.052 Seconds
(without alignments)
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Title: US-09-729-264-6
Perfect score: 2077
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Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 389414

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Post-processing: Minimum Match 0%
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Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	151	7.3	404	US-09-638-649-3	Sequence 3, Appli
2	128.5	6.2	1345	US-08-977-767-3	Sequence 3, Appli
3	128	6.2	1447	US-09-041-886-25	Sequence 25, Appli
4	128	6.2	1447	PCT-US94-05277-2	Sequence 2, Appli
5	127.5	6.1	869	US-08-374-834-16	Sequence 16, Appli
6	127.5	6.1	869	US-08-644-271-29	Sequence 29, Appli
7	127.5	6.1	869	US-09-077-955-33	Sequence 33, Appli
8	127	6.1	332	US-09-062-365-1	Sequence 1, Appli
9	124.5	6.0	340	US-09-651-200-2	Sequence 2, Appli
10	124.5	6.0	441	US-09-651-200-4	Sequence 4, Appli
11	123.5	5.9	534	US-09-651-200-6	Sequence 6, Appli
12	123.5	5.9	534	US-09-651-200-24	Sequence 24, Appli
13	123	5.9	313	US-09-700-397-4	Sequence 4, Appli
14	123	5.9	344	US-09-700-397-3	Sequence 3, Appli
15	122	5.9	318	US-08-633-148-4	Sequence 4, Appli
16	122	5.9	340	US-08-633-148-2	Sequence 2, Appli
17	114.5	5.5	1461	US-09-976-594-531	Sequence 531, Appli
18	114	5.5	868	US-08-374-834-1	Sequence 1, Appli
19	114	5.5	868	US-08-644-271-1	Sequence 1, Appli
20	114	5.5	868	US-09-077-955-1	Sequence 1, Appli
21	114	5.5	1395	US-09-540-245A-15	Sequence 15, Appli
22	113.5	5.5	416	US-09-638-649-1	Sequence 1, Appli
23	113	5.4	689	US-09-499-964-1	Sequence 1, Appli
24	111.5	5.4	316	US-09-910-174B-24	Sequence 24, Appli
25	111.5	5.4	316	US-09-620-461-24	Sequence 24, Appli
26	111	5.3	365	US-08-979-424-3	Sequence 3, Appli
27	111	5.3	365	US-09-272-496-2	Sequence 2, Appli

ALIGNMENTS

RESULT 1

US-09-638-649-3
; Sequence 3, Application US/09638649
; Patent No. 6563015
; GENERAL INFORMATION:
; APPLICANT: Stern, David M.
; APPLICANT: Schmidt, Ann Marie
; APPLICANT: Yan, Shi Du
; TITLE OF INVENTION: TRANSGENIC MICE OVER-EXPRESSING RECEPTOR FOR ADVANCED GLYCATION ENDPRODUCT (RAGE) AND MUTANT APP IN BRAIN AND
; TITLE OF INVENTION: GLYCATION ENDPRODUCT (RAGE) AND MUTANT APP IN BRAIN AND
; FILE REFERENCE: 0575/62175
; CURRENT APPLICATION NUMBER: US/09/638,649
; CURRENT FILING DATE: 2000-08-14
; NUMBER OF SEQ ID NOS: 10
; SOFTWARE: Patent in Ver. 2.1
; SEQ ID NO 3
; LENGTH: 404
; TYPE: PRT
; ORGANISM: Human
US-09-638-649-3

Query Match 7.3%; Score 151; DB 4; Length 404;
Best Local Similarity 23.3%; Pred. No. 2.8e-05;
Matches 90; Conservative 38; Mismatches 112; Indels 146; Gaps 19;
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DB 124 PEIVDSAS--ELTAGVFN-----KVGTCVSEGSYPAGTLSMHLDG-----KP 163
QY 66 ITNDRAFTS-----QRYDOGNFT--SEMIHNVPSDSGNIR-----CSLQNSRLHGSAY 114
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PCT-US95-08493-21
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US-08-447-314-2
US-08-445-461-2
US-08-286-305A-1
US-08-441-104A-1
US-08-440-816A-1
US-09-417-381A-1
US-08-415-751-6
PCT-US95-08493-13
US-07-906-349A-6
US-09-060-854B-2
US-08-597-495B-22
US-09-068-051A-22

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30 109.5 5.3 860 5
31 109.5 5.3 868 5
32 109.5 5.3 890 1
33 109.5 5.3 890 3
34 109.5 5.3 890 3
35 109.5 5.3 890 3
36 109.5 5.3 911 1
37 109.5 5.3 911 2
38 109.5 5.3 911 2
39 109.5 5.3 911 3
40 107.5 5.2 362 1
41 106.5 5.1 946 5
42 106 5.1 801 1
43 106 5.1 1497 4
44 105 5.1 319 1
45 105 5.1 319 3

Fri Aug 6 08:39:27 2004

QY 328 TETASLPKSCSSDEQRNSSCGPP 353
Db 390 -----QSEEPAGESSTGGP 404

RESULT 2

US-08-977-767-3
; Sequence 3, Application US/08977767
; Patent No. 5972684
; GENERAL INFORMATION:
; APPLICANT: Bandman, Olga
; APPLICANT: Yue, Henry
; APPLICANT: Greenwald, Sara
; APPLICANT: Corley, Neil C.
; TITLE OF INVENTION: CARBONIC ANHYDRASE VIII
; NUMBER OF SEQUENCES: 3
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Drive
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/977,767
; FILING DATE: Herewith
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Billings, Lucy J.
; REGISTRATION NUMBER: 36,749
; REFERENCE/DOCKET NUMBER: PF-0423 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650-855-0555
; TELEFAX: 650-845-4166
; TELEX:
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1345 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: GenBank
; CLONE: 1532042
US-08-977-767-3

Query Match 6.2%; Score 128.5; DB 2; Length 1345;
Best Local Similarity 33.0%; Pred. No. 0.015;
Matches 37; Conservative 1; Mismatches 41; Indels 33; Gaps 5;
QY 190 GTLCTVATWKSILKARKSATVNLTVIRCPQDTGGGI-----NIPGVLSLPSLGLSLPTWCK 245
Db 414 GTCTCTGT-----GC-CGTGGGAAGCGTCAGAGCCCGTCGATGTGGA 455
QY 246 VGLGLAGTMLLT-PTCTLTIRCCRRCCGNCRC-----CFCC 286
Db 456 CGTGAAGAGGGCTCTATGACCCCTTCTGCCCCCTCTGAGACTCAGCACC 507

RESULT 3

US-09-041-886-25
; Sequence 25, Application US/09041886
; Patent No. 6235872
; GENERAL INFORMATION:
; APPLICANT: Bredesen, Dale E.

; APPLICANT: Rabizadeh, Sharroz
; TITLE OF INVENTION: Proapoptotic Peptides, Dependence
; TITLE OF INVENTION: Polypeptides and Methods of Use
; NUMBER OF SEQUENCES: 72
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Campbell & Flores LLP
; STREET: 4370 La Jolla Village Drive, Suite 700
; CITY: San Diego
; STATE: California
; COUNTRY: United States
; ZIP: 92122
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA: US/09/041,886
; FILING DATE:
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Campbell, Cathryn A.
; REGISTRATION NUMBER: 31,815
; REFERENCE/DOCKET NUMBER: P-LJ 2626
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619) 535-9001
; TELEFAX: (619) 535-8949
; INFORMATION FOR SEQ ID NO: 25:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1447 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-09-041-886-25

Query Match 6.2%; Score 128; DB 3; Length 1447;
Best Local Similarity 24.8%; Pred. No. 0.019;
Matches 60; Conservative 33; Mismatches 99; Indels 50; Gaps 10;
QY 14 SGSGNEV-----TEGPONATVLKGSQARFNCTVSQGW--KLIMWALSDM 55
Db 220 SRTGNEAEVRILSDPGLHRQLYFLQPSNVVAIEGKDAVLECCVS-GYPFPTWLRGEE 278
QY 56 VVLSVRPMEPIITNDRFTSQRYDQGNFTSEMIHNVPDSGNIRC--SLONSRLHGS 113
Db 279 VI-----QLRSKKYSLGG--SNLLISNVTDDSGMYTCVVTYKNENISASA 323
QY 114 YLTQVMGELFIPSVNLVVAENEPECEVTCLPSTHWRPLDISW-ELGLLVSHSSYVFPPEP 172
Db 324 ELTVLPFPFLNHPNLSLAYESMDIEFECTVS-GKPVPTVNMKMGDVVIFSDYFIQVGG 382
QY 173 SDLOSASVILALTPQSNGLTLCVATWKSILKARKSATVNLTVIRCPQDTGGGINIPGVLS 232
Db 383 SNLR-----ILGVKSDGEFYQCVAENAGNAQTSALIVPKPAIFSSS-----VLPS 430
QY 233 LP 234
Db 431 AP 432

RESULT 4

PCT-US94-05277-2
; Sequence 2, Application PC/TUS9405277
; GENERAL INFORMATION:
; APPLICANT: Bruskin, Arthur
; APPLICANT: Jarosz, David E.
; APPLICANT: Johnson, Karen
; APPLICANT: Kinzler, Kenneth W.
; APPLICANT: Vogelstein, Bert
; APPLICANT: Zaretsky, James R.
; TITLE OF INVENTION: Antibodies Specific for DCC Gene Product
; NUMBER OF SEQUENCES: 2
; CORRESPONDENCE ADDRESS:

```

; ADDRESSEE: Banner, Birch, McKie & Beckett
; STREET: 1001 G Street, N.W.
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20001
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US94/05277
; FILING DATE:
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Kagan, Sarah A.
; REGISTRATION NUMBER: 32,141
; REFERENCE/DOCKET NUMBER: 01107.42709
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202.508.9100
; TELEFAX: 202.508.9299
; TELEX: 197430 BBMB UT
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1447 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; PCT-US94-05277-2

Query Match 6.2%; Score 128; DB 5; Length 1447;
Best Local Similarity 24.8%; Pred. No. 0.019;
Matches 60; Conservative 33; Mismatches 99; Indels 50; Gaps 10;

QY 14 SGSGNEV-----IEGPQATVLKGSQARENCVTVSQGW--KLIMWALSDM 55
Db 220 SRTGNEAEVRLSDPGLHRLQYFLQRPNNVAIEGKDAVLECCVS-GYPPTSFTLARGE 278
QY 56 VLVSVRPMPIIINDRFTSQRYDQGNFTSEMIHNVPSDSGNIRC--SLQNSRLHGS 113
Db 279 VI-----QLRSKYSLLGG--SNLLISNVTDDSGMYTCVVTYKNENISASA 323
QY 114 YLTQVMQGEFLFIPSNLVAENEPCEVTCLPSSHWRPLDISW-ELGLLVSHSSYYFVPEP 172
Db 324 ELTLVPPFLNPSNLAYESWDIEFECTVS-GKPVPTVNMWKGDDVLPSPDYFQLVGG 382
QY 173 SDIQSAVSILALPQSGNGTLTVCATWKSLSKARKSATVNLTVIRCPQDTGGGINIPGVLS 232
Db 383 SNLR----ILGVVKSDEGFFQCVAEAGNAQTSALQIVPKPAIPSSS-----VLPS 430
QY 233 LP 234
Db 431 AP 432

RESULT 5
US-08-374-834-16
; Sequence 16, Application US/08374834
; Patent No. 5656473
; GENERAL INFORMATION:
; APPLICANT: Valenzuela, et al.
; TITLE OF INVENTION: NOVEL TYROSINE KINASE RECEPTOR
; NUMBER OF SEQUENCES: 17
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Regeneron Pharmaceuticals, Inc.
; STREET: 777 Old Saw Mill River Road
; CITY: Tarrytown
; STATE: New York
; COUNTRY: USA
; ZIP: 10591
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk

; ADDRESSEE: Regeneron Pharmaceuticals, Inc.
; STREET: 777 Old Saw Mill Road
; CITY: Tarrytown
; STATE: NY

; APPLICANT: Valenzuela, et al.
; TITLE OF INVENTION: NOVEL TYROSINE KINASE RECEPTORS
; TITLE OF INVENTION: AND LIGANDS
; NUMBER OF SEQUENCES: 32
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Regeneron Pharmaceuticals, Inc.
; STREET: 777 Old Saw Mill Road
; CITY: Tarrytown
; STATE: NY

; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/374,834
; FILING DATE: 19-JAN-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/095,658
; FILING DATE: 21-JUL-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Cobert, Robert J.
; REGISTRATION NUMBER: 36,108
; REFERENCE/DOCKET NUMBER: REG 190A
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (914) 345-7400
; TELEFAX: (914) 345-7721
; INFORMATION FOR SEQ ID NO: 16:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 869 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: unknown
; MOLECULE TYPE: protein
; US-08-374-834-16

Query Match 6.1%; Score 127.5; DB 1; Length 869;
Best Local Similarity 20.9%; Pred. No. 0.01;
Matches 86; Conservative 51; Mismatches 176; Indels 99; Gaps 19;

QY 19 EVIEGPQATVLKGSQARENCVTVSQGW-KLIMWALSDMVLSVRPMPIIINDRFTSQRY 77
Db 122 KITRPPINVKIIEGLKAVLPCTTMGNPKPSVSIKGD-----SPURENSRIAVLE- 171
QY 78 DQGNFTSEMIHNVPSDSGNIRCQLNSRLHGSAY-LTVQVMGBLFIIPSNLVAENE 136
Db 172 -----SGSLRIHNVQKEDAGQYRCVAKNSL--GTAYSKVVKLEVEVFARILRAPESHNV 223
QY 137 P-----CEVTCLPSSHWRPLDISW-ELGLLVSHSSYYFVPEPDDLOSASVILALTPQ 187
Db 224 TFGSFVTLHCTATGIP-----VPTITWIENGNAVSSGSIQESVKDRVIDSLQLFITKP- 277
QY 188 SNTLTCVAT---WKSLSKARKSATVNLTVIRCPQDTGGG-----INIFGVLSLP 234
Db 278 --GLYTCIATNKGGEFSTAKAATISIAEWSPQDKNGYCAQYRGEVCNVLAKDALV 335
QY 235 SLGFSL-----PTWKGVLGLAGTMLLTPTCTLTIRCCCRRCRCGCN----- 277
Db 336 FLNTSYADPEEAQELLVHTAWNEL-----KVSFVCPAAEALLCNHIFQECSPGVVP 388
QY 278 -----CCRC-----FCRRKRGFRIOFKKSEKKTETETESGNSGNSGVNSDEQKT 327
Db 389 TPIPICREYCLAVKELFCAKE----WLVMEETHRGLYRSEMHLVSPCEKLPMSHWD 444
QY 328 TETASLPKSCSSDPEQRNSSCGPPHORADP-----PRPASHPOASNL 375
Db 445 TACARLP-----HLDYNKENLKTFFP--MTSSKPSVDIPNLPSSSSSSSFSVS 489

RESULT 6
US-08-644-271-29
; Sequence 29, Application US/08644271
; Patent No. 5814478
; GENERAL INFORMATION:
; APPLICANT: Valenzuela, et al.
; TITLE OF INVENTION: NOVEL TYROSINE KINASE RECEPTORS
; TITLE OF INVENTION: AND LIGANDS
; NUMBER OF SEQUENCES: 32
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Regeneron Pharmaceuticals, Inc.
; STREET: 777 Old Saw Mill Road
; CITY: Tarrytown
; STATE: NY

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; COUNTRY: USA
; ZIP: 10591
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/644,271
; FILING DATE: 10-MAY-1996
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: USSN 60/008,657
; FILING DATE: 15-DEC-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Covert, Robert J
; REGISTRATION NUMBER: 36,108
; REFERENCE/DOCKET NUMBER: REG 195A
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 914-345-7400
; TELEFAX: 914-345-7721
; TELEX:
; INFORMATION FOR SEQ ID NO: 29:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 869 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: unknown
; MOLECULE TYPE: protein
; US-08-644-271-29

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Query Match 6.1%; Score 127.5; DB 2; Length 869;
Best Local Similarity 20.9%; Pred. No. 0.01; Indels 99; Gaps 19;
Matches 86; Conservative 51; Mismatches 176;

QY 19 EVIEGPONATVLKGSQARFNCTVSGWK-LIMWALSDMVVLSVRPMEPIITNDRFTSQRY 77
DB 122 KITRPPINVKIIEGLKAVLPCTTGNPKPSVSWIKGD-----SPLRENSRIAVLE- 171

QY 78 DOGNFTSEMIHNVPEPSDGNIRCSLQNSRLHGSAY-LTVQVMGELFIPSVNLVVAENE 136
DB 172 -----SGSLRIHNVQKEDAGQYRCVAKNSL--GTAYSKVVKLEVEVFARILRAPESHNV 223

QY 137 P-----CEVTCPLPSHTWRLDISW-ELGLLVSHSSYYFVPEPSDLQSAVSILALTPQ 187
DB 224 TFGSFVTLHCTATGIP-----VPTITWIENGNAVSSGSIQESVKDRVIDSLQLFITYKP- 277

QY 188 SNGTLTCVAT----WKSILKARKSATVNLTVIRCPQDTGGG-----INIPGVLSLSP 234
DB 278 --GLYTCTIATNKHGKEFKSTAKAAATISIAEWSKPKQKNGYCAQYRGEVCNAVLAADALV 335

QY 235 SLGFSL-----PTWGVKVLGLAGTMLTPTCTLTIRCCCCRRCCGCN-----277
DB 336 FLNTSYADPEEAQELLVHTAWNEL-----KVVSFVPCRPAEALLCNHIFQECSPGVVP 388

QY 278 -----CCCRCC-----FCRRKRGFRIOFKKSEKTKETETESGNGNSGYNSDEQKT 327
DB 389 TPICRCRYCLAVKELFCAKE----WLVMEKTRHGLYRSEMHLLSVPECSKLPSMHWDP 444

QY 328 TETASLPKSCSSDPEQRNSSCGPPHORADQRP-----PRPASHPQASFNLA 375
DB 445 TACARLP-----HLDYNKENLKTFFP--MTSSKPSVDIPNLPSSSSSSFSVS 489

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RESULT 7
US-09-077-955-33
; Sequence 33, Application US/09077955A
; Patent No. 6413740
; GENERAL INFORMATION:
; APPLICANT: Valenzuela et al., David M.
; TITLE OF INVENTION: NOVEL TYROSINE KINASE RECEPTORS AND LIGANDS
; FILE REFERENCE: REG195-B-PCT-US
; CURRENT APPLICATION NUMBER: US/09/077,955A

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; CURRENT FILING DATE: 1998-09-10
; EARLIER APPLICATION NUMBER: PCT/US96/20696
; EARLIER FILING DATE: 1996-12-13
; EARLIER APPLICATION NUMBER: 08/644,271
; EARLIER FILING DATE: 1996-05-10
; EARLIER APPLICATION NUMBER: 60/008,657
; EARLIER FILING DATE: 1995-12-15
; NUMBER OF SEQ ID NOS: 36
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 33
; LENGTH: 869
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-077-955-33

```

```

Query Match 6.1%; Score 127.5; DB 4; Length 869;
Best Local Similarity 20.9%; Pred. No. 0.01; Indels 99; Gaps 19;
Matches 86; Conservative 51; Mismatches 176;

QY 19 EVIEGPONATVLKGSQARFNCTVSGWK-LIMWALSDMVVLSVRPMEPIITNDRFTSQRY 77
DB 122 KITRPPINVKIIEGLKAVLPCTTGNPKPSVSWIKGD-----SPLRENSRIAVLE- 171

QY 78 DOGNFTSEMIHNVPEPSDGNIRCSLQNSRLHGSAY-LTVQVMGELFIPSVNLVVAENE 136
DB 172 -----SGSLRIHNVQKEDAGQYRCVAKNSL--GTAYSKVVKLEVEVFARILRAPESHNV 223

QY 137 P-----CEVTCPLPSHTWRLDISW-ELGLLVSHSSYYFVPEPSDLQSAVSILALTPQ 187
DB 224 TFGSFVTLHCTATGIP-----VPTITWIENGNAVSSGSIQESVKDRVIDSLQLFITYKP- 277

QY 188 SNGTLTCVAT----WKSILKARKSATVNLTVIRCPQDTGGG-----INIPGVLSLSP 234
DB 278 --GLYTCTIATNKHGKEFKSTAKAAATISIAEWSKPKQKNGYCAQYRGEVCNAVLAADALV 335

QY 235 SLGFSL-----PTWGVKVLGLAGTMLTPTCTLTIRCCCCRRCCGCN-----277
DB 336 FLNTSYADPEEAQELLVHTAWNEL-----KVVSFVPCRPAEALLCNHIFQECSPGVVP 388

QY 278 -----CCCRCC-----FCRRKRGFRIOFKKSEKTKETETESGNGNSGYNSDEQKT 327
DB 389 TPICRCRYCLAVKELFCAKE----WLVMEKTRHGLYRSEMHLLSVPECSKLPSMHWDP 444

QY 328 TETASLPKSCSSDPEQRNSSCGPPHORADQRP-----PRPASHPQASFNLA 375
DB 445 TACARLP-----HLDYNKENLKTFFP--MTSSKPSVDIPNLPSSSSSSFSVS 489

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RESULT 8
US-09-062-365-1
; Sequence 1, Application US/09062365
; Patent No. 6465422
; GENERAL INFORMATION:
; APPLICANT: Schmidt, Ann Marie
; APPLICANT: Stern, David
; TITLE OF INVENTION: METHOD FOR INHIBITING TUMOR INVASION OR SPREADING IN A
; FILE REFERENCE: 55424
; CURRENT APPLICATION NUMBER: US/09/062,365
; CURRENT FILING DATE: 1998-04-17
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 332
; TYPE: PRT
; ORGANISM: Human
; US-09-062-365-1

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Query Match 6.1%; Score 127; DB 4; Length 332;
Best Local Similarity 25.0%; Pred. No. 0.003;
Matches 70; Conservative 31; Mismatches 87; Indels 92; Gaps 15;

QY 9 PEAVGSGSGNEVIEGPQNATVLKGSQARFNCTVSGQ---WKLIWALSDMVVLSVRPMEP 65

```

Db 102 PEIVDSAS--ELTAGVN-----KVTCSGSGYPAGTSLWHLG-----KP 141
QY 66 IITNDRFTS-----ORYDQGNFT--SEMIHNVPSDSGNIR-----CSLQNSRLHGSAY 114
Db 142 LVNEXGVSVKETRRHPETGLFTLQSELM---VTPARGGDRPTFTSCSPGLPRHRAL 198
QY 115 LTVQVMGELFIP-----SVNLVVAENP-----CEVTCLPSSHWTLPDLISWE 156
Db 199 RTAPIQPRVWEPVLEEVQLW---EPEGGAVAPGGTFTVLTCEVPAQPS-----PQIHWM 250
QY 157 LGLLVSHSSYFYFPEPSDLQSAVSIIALTPQSNGLTLCVATWKSRLKARKSATVNLTVIRC 216
Db 251 KD-----GVPLPFPSPVILLPEIGPDQGTSCVATHSHGPOESRAVSIILIE- 300
QY 217 PQTGGGINIPGVLSSLPISLGFSLPTWKGVLGLAGTMLL 256
Db 301 PGELEG-----PTAGSVGGSGLGTIAL 321

RESULT 9

US-09-651-200-2

; Sequence 2, Application US/09651200

; Patent No. 6429303

; GENERAL INFORMATION:

; APPLICANT: Green et al

; TITLE OF INVENTION: Polynucleotides Encoding Members of the Human B

; TITLE OF INVENTION: Lymphocyte Activation Antigen B-7 Family and

; TITLE OF INVENTION: Polypeptides Encoded Thereby

; FILE REFERENCE: 15966-562 (CURA-62)

; CURRENT APPLICATION NUMBER: US/09/651,200

; CURRENT FILING DATE: 2000-08-30

; PRIOR APPLICATION NUMBER: 60/152383

; PRIOR FILING DATE: 1999-09-03

; PRIOR APPLICATION NUMBER: 60/172909

; PRIOR FILING DATE: 1999-12-21

; PRIOR APPLICATION NUMBER: 60/183578

; PRIOR FILING DATE: 2000-02-18

; NUMBER OF SEQ ID NOS: 25

; SOFTWARE: Patent In Ver. 2.0

; SEQ ID NO 2

; LENGTH: 340

; TYPE: PRT

; ORGANISM: Homo sapiens

US-09-651-200-2

Query Match 6.0%; Score 124.5; DB 4; Length 340;
Best Local Similarity 21.2%; Pred. No. 0.0051;
Matches 77; Conservative 51; Mismatches 127; Indels 109; Gaps 17;

QY 14 SSGSNEVIEGPQNAV-LKGSQARFNCTVS--QGWL-----INWALSDMVVLSVRPMEPI 66
Db 48 SPTGAVEVQVPDPVVALVGTDLTHCSFSPFGSLTQLNLWLTDTKQLV-----100
QY 67 ITNDRFTSORYDOGNF-----TSEMIHNVPSDSGNIRCSLQNSRLHGS 112
Db 101 ---HSTEGR-DGGSAYANRTALFPDLLAQNASLRLQVRVADEGSFTCFV-SIRDFGS 155
QY 113 AYLTVQVMGELFIPSVNLV---VAENPECVTCLPSHWTLP--DISWELGL---LVSH 163
Db 156 AAVSLQVAAPYSKPSMTLEPNKDLRPGDVTITIC--SSYRGYPEAEVFWQDGGVPLTGN 213
QY 164 SSYFVPEPSDLQSAVSIIALTPQSNGLTLCVATWKSRLKARKSATVNLTVIRCP---QDT 220
Db 214 VTTSQMANEQGLFDVHSLRVVLGANGTYS------LVRNPLVQQDA 255
QY 221 GGGINIPGVLSSLPISLGFSLPTWKGVLGLAGTMLLTPTCTLTIRCCCCRRCCGNC 280
Db 256 HGSVTTTGQPMTFPPEAL-----WTVGLSVCLLIALV-----288
QY 281 RCCFCRRKRGFRIFQFKSEKTKETETESNGNSGYNSEDQKTETASLPKSCES 340
Db 289 ALAFVCMWRK-----IKQSCSEENAGAEQDQ-----EGEGSKTALQPLKHS 331

QY 341 SDPE 344
Db 332 KEDD 335

RESULT 10

US-09-651-200-4

; Sequence 4, Application US/09651200

; Patent No. 6429303

; GENERAL INFORMATION:

; APPLICANT: Green et al

; TITLE OF INVENTION: Polynucleotides Encoding Members of the Human B

; TITLE OF INVENTION: Lymphocyte Activation Antigen B-7 Family and

; TITLE OF INVENTION: Polypeptides Encoded Thereby

; FILE REFERENCE: 15966-562 (CURA-62)

; CURRENT APPLICATION NUMBER: US/09/651,200

; CURRENT FILING DATE: 2000-08-30

; PRIOR APPLICATION NUMBER: 60/152383

; PRIOR FILING DATE: 1999-09-03

; PRIOR APPLICATION NUMBER: 60/172909

; PRIOR FILING DATE: 1999-12-21

; PRIOR APPLICATION NUMBER: 60/183578

; PRIOR FILING DATE: 2000-02-18

; NUMBER OF SEQ ID NOS: 25

; SOFTWARE: Patent In Ver. 2.0

; SEQ ID NO 4

; LENGTH: 441

; TYPE: PRT

; ORGANISM: Homo sapiens

US-09-651-200-4

Query Match 6.0%; Score 124.5; DB 4; Length 441;
Best Local Similarity 21.2%; Pred. No. 0.0074;
Matches 77; Conservative 51; Mismatches 127; Indels 109; Gaps 17;

QY 14 SSGSNEVIEGPQNAV-LKGSQARFNCTVS--QGWL-----INWALSDMVVLSVRPMEPI 66
Db 149 SPTGAVEVQVPDPVVALVGTDLTHCSFSPFGSLTQLNLWLTDTKQLV-----201
QY 67 ITNDRFTSORYDOGNF-----TSEMIHNVPSDSGNIRCSLQNSRLHGS 112
Db 202 ---HSTEGR-DGGSAYANRTALFPDLLAQNASLRLQVRVADEGSFTCFV-SIRDFGS 256
QY 113 AYLTVQVMGELFIPSVNLV---VAENPECVTCLPSHWTLP--DISWELGL---LVSH 163
Db 257 AAVSLQVAAPYSKPSMTLEPNKDLRPGDVTITIC--SSYRGYPEAEVFWQDGGVPLTGN 314
QY 164 SSYFVPEPSDLQSAVSIIALTPQSNGLTLCVATWKSRLKARKSATVNLTVIRCP---QDT 220
Db 315 VTTSQMANEQGLFDVHSLRVVLGANGTYS------LVRNPLVQQDA 356
QY 221 GGGINIPGVLSSLPISLGFSLPTWKGVLGLAGTMLLTPTCTLTIRCCCCRRCCGNC 280
Db 357 HGSVTTTGQPMTFPPEAL-----WTVGLSVCLLIALV-----389
QY 281 RCCFCRRKRGFRIFQFKSEKTKETETESNGNSGYNSEDQKTETASLPKSCES 340
Db 390 ALAFVCMWRK-----IKQSCSEENAGAEQDQ-----EGEGSKTALQPLKHS 432
QY 341 SDPE 344
Db 433 KEDD 436

RESULT 11

US-09-651-200-6

; Sequence 6, Application US/09651200

; Patent No. 6429303

; GENERAL INFORMATION:

; APPLICANT: Green et al

; TITLE OF INVENTION: Polynucleotides Encoding Members of the Human B

; TITLE OF INVENTION: Lymphocyte Activation Antigen B-7 Family and

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; TITLE OF INVENTION: Polypeptides Encoded Thereby
; FILE REFERENCE: 15966-562 (CURA-62)
; CURRENT APPLICATION NUMBER: US/09/651,200
; CURRENT FILING DATE: 2000-08-30
; PRIOR APPLICATION NUMBER: 60/152383
; PRIOR FILING DATE: 1999-09-03
; PRIOR APPLICATION NUMBER: 60/172909
; PRIOR FILING DATE: 1999-12-21
; PRIOR APPLICATION NUMBER: 60/183578
; PRIOR FILING DATE: 2000-02-18
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 6
; LENGTH: 534
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-651-200-6

Query Match      5.9%; Score 123.5; DB 4; Length 534;
Best Local Similarity 21.2%; Pred. No. 0.012;
Matches 77; Conservative 50; Mismatches 128; Indels 109; Gaps 17;

Qy      14  SSGSNEVIEGPQNAV-LKGSQARFNCTVS--QGWKL-----IMWALSDMVVLSVRPMEPI 66
      |:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|
Db      242  SPTGAVEVQVPEDPVVALVGTDLRCGFSPEPGFSLAQLNLWQLTDTKQLV-----294

Qy      67  ITNDRFTSQRYDOGNF-----TSEMIHNVEPSDSGNIRCSLQNSRLHGS 112
      |:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|
Db      295  ---HSFTEGR-DQGSAYANRTALPDLAQNASRLQVRVADEGSFTCFV-SIRDFGS 349

Qy      113  AYLTVQVMGELFIPSNLV-----VAENEPCEVTCVLPSSHWRTP--DISWELGL---LVSH 163
      |:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|
Db      350  AAVSLQVAAPYSKPSMTLEPNKDLRPGDVTIITC--SSYRGYPAEAEVFWQDGGVPLTGN 407

Qy      164  SSYFVPEPDLQSAVSIILALTPQSNGLTLCVATWKSILKARKSATVNLTVIRCP---QDT 220
      |:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|
Db      408  VTTSQMANEQGLFDVHSLRVVLGANGTYSK-----LVRNVLQODA 449

Qy      221  GGGINIRGVLSLPSLGSFSLPTGWKGLAGTMLTPTCTLTIRCCCRRCGCCNCCC 280
      |:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|
Db      450  HGSVTITGQPMFFPEAL-----WTVGLSVCLIALLV-----482

Qy      281  RCCFCCRRKRGFRIOFQKKSEKTKETETESGNSGYNDSDEQKTTETASLPKSCES 340
      |:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|
Db      483  ALAFVCWRK-----IKQSCENAGAEQDQG-----EGEGSKTALQPLKHSDS 525

Qy      341  SDPE 344
      |:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|
Db      526  KEDD 529

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RESULT 12
US-09-651-200-24
; Sequence 24, Application US/09651200
; Patent No. 6429303
; GENERAL INFORMATION:
; APPLICANT: Green et al
; TITLE OF INVENTION: Polynucleotides Encoding Members of the Human B
; TITLE OF INVENTION: Lymphocyte Activation Antigen B-7 Family and
; TITLE OF INVENTION: Polypeptides Encoded Thereby
; FILE REFERENCE: 15966-562 (CURA-62)
; CURRENT APPLICATION NUMBER: US/09/651,200
; CURRENT FILING DATE: 2000-08-30
; PRIOR APPLICATION NUMBER: 60/152383
; PRIOR FILING DATE: 1999-09-03
; PRIOR APPLICATION NUMBER: 60/172909
; PRIOR FILING DATE: 1999-12-21
; PRIOR APPLICATION NUMBER: 60/183578
; PRIOR FILING DATE: 2000-02-18
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 24
; LENGTH: 534

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; TYPE: PRT
; ORGANISM: Unknown
; FEATURE:
; OTHER INFORMATION: Description of Unknown Organism: Sequence
; OTHER INFORMATION: mz5020.protein from Figure 4.
; US-09-651-200-24

Query Match      5.9%; Score 123.5; DB 4; Length 534;
Best Local Similarity 21.2%; Pred. No. 0.012;
Matches 77; Conservative 50; Mismatches 128; Indels 109; Gaps 17;

Qy      14  SSGSNEVIEGPQNAV-LKGSQARFNCTVS--QGWKL-----IMWALSDMVVLSVRPMEPI 66
      |:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|
Db      242  SPTGAVEVQVPEDPVVALVGTDLRCGFSPEPGFSLAQLNLWQLTDTKQLV-----294

Qy      67  ITNDRFTSQRYDOGNF-----TSEMIHNVEPSDSGNIRCSLQNSRLHGS 112
      |:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|
Db      295  ---HSFTEGR-DQGSAYANRTALPDLAQNASRLQVRVADEGSFTCFV-SIRDFGS 349

Qy      113  AYLTVQVMGELFIPSNLV-----VAENEPCEVTCVLPSSHWRTP--DISWELGL---LVSH 163
      |:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|
Db      350  AAVSLQVAAPYSKPSMTLEPNKDLRPGDVTIITC--SSYRGYPAEAEVFWQDGGVPLTGN 407

Qy      164  SSYFVPEPDLQSAVSIILALTPQSNGLTLCVATWKSILKARKSATVNLTVIRCP---QDT 220
      |:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|
Db      408  VTTSQMANEQGLFDVHSLRVVLGANGTYSK-----LVRNVLQODA 449

Qy      221  GGGINIRGVLSLPSLGSFSLPTGWKGLAGTMLTPTCTLTIRCCCRRCGCCNCCC 280
      |:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|
Db      450  HGSVTITGQPMFFPEAL-----WTVGLSVCLIALLV-----482

Qy      281  RCCFCCRRKRGFRIOFQKKSEKTKETETESGNSGYNDSDEQKTTETASLPKSCES 340
      |:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|
Db      483  ALAFVCWRK-----IKQSCENAGAEQDQG-----EGEGSKTALQPLKHSDS 525

Qy      341  SDPE 344
      |:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|
Db      526  KEDD 529

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RESULT 13
US-09-700-397-4
; Sequence 4, Application US/09700397
; Patent No. 6664383
; GENERAL INFORMATION:
; APPLICANT: Ono Pharmaceutical Co., Ltd.
; TITLE OF INVENTION: No. 6664383el Polypeptides, cdna encoding the same, and use of
; FILE REFERENCE: Q61459
; CURRENT APPLICATION NUMBER: US/09/700,397
; CURRENT FILING DATE: 2001-01-05
; PRIOR APPLICATION NUMBER: JP 10-131815
; PRIOR FILING DATE: 1998-05-14
; PRIOR APPLICATION NUMBER: PCT/JP99/02485
; PRIOR FILING DATE: 1999-05-13
; NUMBER OF SEQ ID NOS: 19
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 4
; LENGTH: 313
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-700-397-4

Query Match      5.9%; Score 123; DB 4; Length 313;
Best Local Similarity 23.5%; Pred. No. 0.0062;
Matches 61; Conservative 40; Mismatches 99; Indels 60; Gaps 13;

Qy      7  TVPEAVGSGSNEVIEGPQNAVTLKGSQARFNCTVSQCKLIMWALSDMVVLS-----V 60
      |:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|
Db      6  TFPKAM-----DNVTVRQGESATLRCTIDNRVTRVAVLNRSTILYAGNDKWL 53

Qy      61  RPMEPIITNDRFTSQRYDQGNFTSEMIHNVEPSDSGNIRCSLQ-----NSRLHGSAY 114
      |:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|
Db      54  DPRVLLSN---TQTQY-----SIBIQNVVDYDEGYTCVQTDNHPKTSRVH-----98

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QY 115 LTVOVMGELFIPSNVLVAENEPCEVTCPLPSHWTRLPDLSWELGLLVSHSSYFVPEPSD 174
Db 99 LIVQVSPKIVEISSDINSINEGNNISLTCTAIGRPE-PTVTWR---HISPKAVGFVSEDEY 154

QY 175 LQSAVSTLALTPOSGNGTLTCVATWKSLLKARKSATVNLTVIRCP-----QDTGGGINIPGV 229
Db 155 LE-----IQGITREOSGDYECAS-NDVAAPVRRVKVTNYPPIYSEAKGTGVPVGQKGT 209

QY 230 L-----SSLPSLGFSLPTWGK 245
Db 210 LQCEASAVPSAEFO---WYK 226

RESULT 14
US-09-700-397-3
; Sequence 3, Application US/09700397
; Patent No. 6664383
; GENERAL INFORMATION:
; APPLICANT: Ono Pharmaceutical Co., Ltd.
; TITLE OF INVENTION: No. 6664383el Polypeptides, cDNA encoding the same, and use of
; FILE REFERENCE: Q61459
; CURRENT APPLICATION NUMBER: US/09/700,397
; CURRENT FILING DATE: 2001-01-05
; PRIOR APPLICATION NUMBER: JP 10-131815
; PRIOR FILING DATE: 1998-05-14
; PRIOR APPLICATION NUMBER: PCT/JP99/02485
; PRIOR FILING DATE: 1999-05-13
; NUMBER OF SEQ ID NOS: 19
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 3
; LENGTH: 344
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; OTHER INFORMATION: Clone OC001 derived from human brain
US-09-700-397-3

Query Match 5.9%; Score 123; DB 4; Length 344;
Best Local Similarity 23.5%; Pred.No.0.0071;
Matches 61; Conservative 40; Mismatches 99; Indels 60; Gaps 13;

QY 7 TPEAVGSGGNEVIEGPNATVLKGSQARFNCTVSGWKLMIMWLSDMVLS-----V 60
Db 37 TFPKAM-----DNTVTVQGESATLRCTIDNRVTRVAVLNRSTILYAGNDKWCL 84

QY 61 RPEPIITNDRFTSQVDQGNFTSEMIHNVESDSGNIRCSLQ-----NSRLHGSAY 114
Db 85 DPRVLLSN---TOTQY-----SIBIQNVDDVDEGPTYCTSVQTDNHPKTSRVH---- 129

QY 115 LTVOVMGELFIPSNVLVAENEPCEVTCPLPSHWTRLPDLSWELGLLVSHSSYFVPEPSD 174
Db 130 LIVQVSPKIVEISSDINSINEGNNISLTCTAIGRPE-PTVTWR---HISPKAVGFVSEDEY 185

QY 175 LQSAVSTLALTPOSGNGTLTCVATWKSLLKARKSATVNLTVIRCP-----QDTGGGINIPGV 229
Db 186 LE-----IQGITREOSGDYECAS-NDVAAPVRRVKVTNYPPIYSEAKGTGVPVGQKGT 240

QY 230 L-----SSLPSLGFSLPTWGK 245
Db 241 LQCEASAVPSAEFO---WYK 257

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GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: July 30, 2004, 15:02:03 ; Search time 40.4731 Seconds

(without alignments)
2991.654 Million cell updates/sec

Title: US-09-729-264-6

Perfect score: 2077

Sequence: 1 MERHLLTVEAVGSGSGNEV.....HPOASFNLASPEKVSNTTVV 386

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1291235 seqs, 313682936 residues

Total number of hits satisfying chosen parameters: 1291235

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Published Applications AA:*

- 1: /cgn2_6/ptodata/1/pubpaa/US07_PUBCOMB.pep.*
- 2: /cgn2_6/ptodata/1/pubpaa/PCT_NEW_PUB.pep.*
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- 12: /cgn2_6/ptodata/1/pubpaa/US09_NEW_PUB.pep.*
- 13: /cgn2_6/ptodata/1/pubpaa/US10_PUBCOMB.pep.*
- 14: /cgn2_6/ptodata/1/pubpaa/US10_PUBCOMB.pep.*
- 15: /cgn2_6/ptodata/1/pubpaa/US10_PUBCOMB.pep.*
- 16: /cgn2_6/ptodata/1/pubpaa/US10_NEW_PUB.pep.*
- 17: /cgn2_6/ptodata/1/pubpaa/US60_NEW_PUB.pep.*
- 18: /cgn2_6/ptodata/1/pubpaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	2017	97.1	407	15	US-10-104-047-3074
2	151	7.3	390	16	Sequence 3074, Ap
3	151	7.3	390	16	Sequence 98, Appl
4	151	7.3	404	16	Sequence 100, App
5	145.5	7.0	405	8	Sequence 96, Appl
6	139.5	6.7	344	14	Sequence 4, Appli
7	138.5	6.7	2473	14	Sequence 3, Appli
8	138.5	6.7	2473	14	Sequence 559, App
9	138	6.6	633	14	Sequence 559, App
10	137.5	6.6	344	15	Sequence 26, Appl
11	135	6.5	1477	14	Sequence 87, Appl
12	135	6.5	1479	12	Sequence 20, Appl
13	135	6.5	1496	12	Sequence 325, App
14	135	6.5	1496	14	Sequence 87, Appl
15	135	6.5	1496	15	Sequence 125, App
					Sequence 28, Appl

16	135	6.5	1498	12	US-10-276-774-1957	Sequence 1957, Ap
17	135	6.5	1498	12	US-10-243-552-899	Sequence 899, App
18	134	6.5	592	12	US-10-312-528-2	Sequence 2, Appli
19	134	6.5	592	14	US-10-180-410-2	Sequence 2, Appli
20	134	6.5	594	12	US-10-312-528-12	Sequence 12, Appl
21	134	6.5	594	14	US-10-180-410-12	Sequence 12, Appl
22	134	6.5	708	12	US-10-206-915-584	Sequence 584, App
23	134	6.5	708	12	US-10-199-670-584	Sequence 584, App
24	134	6.5	708	12	US-10-201-858-584	Sequence 584, App
25	134	6.5	708	12	US-10-205-890-584	Sequence 584, App
26	134	6.5	708	12	US-10-208-024-584	Sequence 584, App
27	134	6.5	708	12	US-10-201-853-584	Sequence 584, App
28	134	6.5	708	12	US-10-174-581-584	Sequence 584, App
29	134	6.5	708	12	US-10-176-483-584	Sequence 584, App
30	134	6.5	708	12	US-10-176-749-584	Sequence 584, App
31	134	6.5	708	12	US-10-176-914-584	Sequence 584, App
32	134	6.5	708	12	US-10-176-915-584	Sequence 584, App
33	134	6.5	708	12	US-10-176-484-584	Sequence 584, App
34	134	6.5	708	12	US-10-180-550-584	Sequence 584, App
35	134	6.5	708	12	US-10-183-014-584	Sequence 584, App
36	134	6.5	708	12	US-10-187-738-584	Sequence 584, App
37	134	6.5	708	12	US-10-187-740-584	Sequence 584, App
38	134	6.5	708	12	US-10-187-883-584	Sequence 584, App
39	134	6.5	708	12	US-10-194-363-584	Sequence 584, App
40	134	6.5	708	12	US-10-194-460-584	Sequence 584, App
41	134	6.5	708	12	US-10-194-463-584	Sequence 584, App
42	134	6.5	708	12	US-10-194-484-584	Sequence 584, App
43	134	6.5	708	12	US-10-195-884-584	Sequence 584, App
44	134	6.5	708	12	US-10-195-896-584	Sequence 584, App
45	134	6.5	708	12	US-10-196-744-584	Sequence 584, App

ALIGNMENTS

RESULT 1

US-10-104-047-3074
; Sequence 3074, Application US/10104047
; Publication No. US20030236392A1
; GENERAL INFORMATION:
; APPLICANT: HELIX RESEARCH INSTITUTE
; TITLE OF INVENTION: No. US20030236392A1 full length cdna
; FILE REFERENCE: H1-A0105
; CURRENT APPLICATION NUMBER: US/10/104,047
; PRIOR FILING DATE: 2002-03-25
; PRIOR APPLICATION NUMBER:
; NUMBER OF SEQ ID NOS: 4096
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 3074
; TYPE: PRT
; LENGTH: 407
; ORGANISM: Homo sapiens
US-10-104-047-3074

Query Match	97.1%	Score	2017;	DB	15;	Length	407;
Best Local Similarity	100.0%;	Pred. No.	1e-164;				
Matches	374;	Conservative	0;	Mismatches	0;	Indels	0;
Gaps	0;						
QY	13	GGSGNEVTEGPNATVLKGSQARFNCTVSQGWKLIMWLSVVRPMEPIITNDRF	72				
Db	34	GGSGNEVTEGPNATVLKGSQARFNCTVSQGWKLIMWLSVVRPMEPIITNDRF	93				
QY	73	TSQRYDQGNFTSEMIHNVFSDSGNIRCSLQNSRLHGSAYLTVQVMGELFIPSVNLV	132				
Db	94	TSQRYDQGNFTSEMIHNVFSDSGNIRCSLQNSRLHGSAYLTVQVMGELFIPSVNLV	153				
QY	133	ANEPCEVTCLESHWTRLPDISWELGLLVSHSYFVPEPSDLQSAVSLALTPOQNGTL	192				
Db	154	ANEPCEVTCLESHWTRLPDISWELGLLVSHSYFVPEPSDLQSAVSLALTPOQNGTL	213				
QY	193	TCVATWKSLLKAKSATVNLTVTRCPODTGGGNIIPGVLSLPSLGTGKVLGLAG	252				


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; FILE REFERENCE: 21402-502A
; CURRENT APPLICATION NUMBER: US/10/309,290
; CURRENT FILING DATE: 2002-12-02
; PRIOR APPLICATION NUMBER: 60/336,600
; PRIOR FILING DATE: 2001-12-05
; PRIOR APPLICATION NUMBER: 60/338,285
; PRIOR FILING DATE: 2001-12-07
; PRIOR APPLICATION NUMBER: 60/341,346
; PRIOR FILING DATE: 2001-12-12
; PRIOR APPLICATION NUMBER: 60/341,477
; PRIOR FILING DATE: 2001-12-17
; PRIOR APPLICATION NUMBER: 60/341,540
; PRIOR FILING DATE: 2001-12-17
; PRIOR APPLICATION NUMBER: 60/342,592
; PRIOR FILING DATE: 2001-12-20
; PRIOR APPLICATION NUMBER: 60/344,297
; PRIOR FILING DATE: 2001-12-27
; PRIOR APPLICATION NUMBER: 60/344,903
; PRIOR FILING DATE: 2001-12-31
; PRIOR APPLICATION NUMBER: 60/373,288
; PRIOR FILING DATE: 2002-04-17
; PRIOR APPLICATION NUMBER: 60/380,981
; PRIOR FILING DATE: 2002-05-15
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 274
; SOFTWARE: CuraSeqList version 0.1
; SEQ ID NO 100
; LENGTH: 390
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-309-290-100

Query Match
Best Local Similarity 7.3%; Score 151; DB 16; Length 390;
Matches 90; Conservative 38; Mismatches 112; Indels 146; Gaps 19;

QY 9 PEAVGSGGNEVIEGPQATVNLKGSQARFNCTVSQ---WKLIMWALSDMVLSVRPMEP 65
Db 110 PEIVDSAS--ELTAGVNP-----KVCTCVSEGSYPAGTLSWHLDG-----KP 149

QY 66 IITNDRFTS-----QRYDQGNFT--SEMIHNVPSDSGNIR-----CSLQNSRLHGSAY 114
Db 150 LVNEKGVSVKEQTRRHPTGLTQSELM---VTPARGGDRPTFTSCFSGLPRHRL 206

QY 115 LTVQVMGELFIP---SVNLVVAENEP-----CEVTCPLPSHWTRLPDISWE 156
Db 207 RTAPIQPRVWEVPVLEEVQLV---EPEGGA VAPGGT VTLTCEVPAQFS-----PQIHWM 258

QY 157 LGLLVSHSYFYFPEPSDLQSAVSILALTPQSNGLTLCVATMKS LKARKSATVNLTVIRC 216
Db 259 KD-----GVPLPLPSPVLILPEIGPDQGYTSCVATHSHGHPQESRAVSIIIE- 308

QY 217 PQDTGGGINIPGVLSLPSLPGSLPTWKGVLGLAGTMLLT-----PTCLTITRCCCC 269
Db 309 PGEEG-----PTAGSVGGSGGLTALALGILGGLGTAAALLIGVILW 349

QY 270 RRRCCGNCRCRCFCRCRRKRPRIQFOKKSEKEKT--NKETETESGNSGNSDEQKT 327
Db 350 QRR-----QRRGERKAPENQEEEEAEELN----- 375

QY 328 TETASLPKSCSSDEPQRNNSCGPP 353
Db 376 -----QSEEPAGESSTGGP 390

RESULT 4
US-10-309-290-96
; Sequence 96, Application US/10309290
; Publication No. US20040023241A1
; GENERAL INFORMATION:
; APPLICANT: Alsbrook II, John P.
; APPLICANT: Anderson, David W.
; APPLICANT: Boldog, Ferenc L.

```

```

; APPLICANT: Burgess, Catherine E.
; APPLICANT: Chillakuru, Rajeev A.
; APPLICANT: Edinger, Shlomit R.
; APPLICANT: Gerlach, Valerie L.
; APPLICANT: Gorman, Linda
; APPLICANT: Gould-Rothberg, Bonnie E.
; APPLICANT: Guo, Xiaojia
; APPLICANT: Jeffers, Michael E.
; APPLICANT: Ji, Weizhen
; APPLICANT: Li, Li
; APPLICANT: Malyankar, Uriel M.
; APPLICANT: Miller, Charles E.
; APPLICANT: Murphey, Ryan
; APPLICANT: Patturajan, Meera
; APPLICANT: Peyman, John A.
; APPLICANT: Rastelli, Luca
; APPLICANT: Rieger, Daniel K.
; APPLICANT: Shenoy, Suresh G.
; APPLICANT: Smithson, Glennda
; APPLICANT: Starling, Gary
; APPLICANT: Taupier, Raymond J.
; APPLICANT: Voss, Edward Z.
; APPLICANT: Zhong, Haihong
; APPLICANT: Zhong, Mei
; TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHOD
; FILE REFERENCE: 21402-502A
; CURRENT APPLICATION NUMBER: US/10/309,290
; CURRENT FILING DATE: 2002-12-02
; PRIOR APPLICATION NUMBER: 60/336,600
; PRIOR FILING DATE: 2001-12-05
; PRIOR APPLICATION NUMBER: 60/338,285
; PRIOR FILING DATE: 2001-12-07
; PRIOR APPLICATION NUMBER: 60/341,346
; PRIOR FILING DATE: 2001-12-12
; PRIOR APPLICATION NUMBER: 60/341,477
; PRIOR FILING DATE: 2001-12-17
; PRIOR APPLICATION NUMBER: 60/341,540
; PRIOR FILING DATE: 2001-12-17
; PRIOR APPLICATION NUMBER: 60/342,592
; PRIOR FILING DATE: 2001-12-20
; PRIOR APPLICATION NUMBER: 60/344,297
; PRIOR FILING DATE: 2001-12-27
; PRIOR APPLICATION NUMBER: 60/344,903
; PRIOR FILING DATE: 2001-12-31
; PRIOR APPLICATION NUMBER: 60/373,288
; PRIOR APPLICATION NUMBER: 60/380,981
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 274
; SOFTWARE: CuraSeqList version 0.1
; SEQ ID NO 96
; LENGTH: 404
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-309-290-96

Query Match
Best Local Similarity 7.3%; Score 151; DB 16; Length 404;
Matches 90; Conservative 38; Mismatches 112; Indels 146; Gaps 19;

QY 9 PEAVGSGGNEVIEGPQATVNLKGSQARFNCTVSQ---WKLIMWALSDMVLSVRPMEP 65
Db 124 PEIVDSAS--ELTAGVNP-----KVCTCVSEGSYPAGTLSWHLDG-----KP 163

QY 66 IITNDRFTS-----QRYDQGNFT--SEMIHNVPSDSGNIR-----CSLQNSRLHGSAY 114
Db 164 LVNPKGVSVKEQTRRHPTGLTQSELM---VTPARGGDRPTFTSCFSGLPRHRL 220

QY 115 LTVQVMGELFIP---SVNLVVAENEP-----CEVTCPLPSHWTRLPDISWE 156
Db 221 RTAPIQPRVWEVPVLEEVQLV---EPEGGA VAPGGT VTLTCEVPAQFS-----PQIHWM 272

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; Publication No. US20030044930A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C227
; CURRENT APPLICATION NUMBER: US/10/184,644
; CURRENT FILING DATE: 2002-06-28
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 559
; LENGTH: 2473
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-184-634-559

Query Match          6.7%; Score 138.5; DB 14; Length 2473;
Best Local Similarity 29.5%; Pred. No. 0.038;
Matches 31; Conservative 3; Mismatches 36; Indels 35; Gaps 2;

QY 183 ALTPQSGNGLTCVATWKSLSKARKSATVNLTVIRCPQDTGGGINIPGVLSLPSLGSLSPT 242
DB 2274 AATTGAAGTTTCAATTAATAATGTTTCC-----2307

QY 243 WGVGLGLAGTMTLTTCITLIRCCCR-RRCGCGNCCRCFC 286
DB 2308 -----ATTCTCATCGCCACCCACCCCGCCGCCACCC 2344

RESULT 8
US-10-184-634-559
; Sequence 559, Application US/10184634
; Publication No. US20030068694A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C217
; CURRENT APPLICATION NUMBER: US/10/184,634
; CURRENT FILING DATE: 2002-06-28
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 559
; LENGTH: 2473
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-184-634-559

Query Match          6.7%; Score 138.5; DB 14; Length 2473;
Best Local Similarity 29.5%; Pred. No. 0.038;
Matches 31; Conservative 3; Mismatches 36; Indels 35; Gaps 2;

QY 183 ALTPQSGNGLTCVATWKSLSKARKSATVNLTVIRCPQDTGGGINIPGVLSLPSLGSLSPT 242
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DB 2274 AATTGAAGTTTCAATTAATAATGTTTCC-----2307
QY 243 WGVGLGLAGTMTLTTCITLIRCCCR-RRCGCGNCCRCFC 286
DB 2308 -----ATTCTCATCGCCACCCACCCCGCCGCCACCC 2344

RESULT 9
US-10-180-410-26
; Sequence 26, Application US/10180410
; Publication No. US20030148382A1
; GENERAL INFORMATION:
; APPLICANT: SUN, CHAO
; APPLICANT: CARULLI, JOHN P.
; APPLICANT: LUKASHIN, ALEXANDER V.
; APPLICANT: KILBURN, DANIEL R.
; TITLE OF INVENTION: PANCAM NUCLEIC ACIDS AND POLYPEPTIDES
; FILE REFERENCE: A097 CIP
; CURRENT APPLICATION NUMBER: US/10/180,410
; CURRENT FILING DATE: 2002-06-24
; PRIOR APPLICATION NUMBER: PCT/US01/19904
; PRIOR FILING DATE: 2001-06-22
; PRIOR APPLICATION NUMBER: 60/213,611
; PRIOR FILING DATE: 2000-06-22
; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 26
; LENGTH: 633
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-180-410-26

Query Match          6.6%; Score 138; DB 14; Length 633;
Best Local Similarity 24.1%; Pred. No. 0.0066;
Matches 54; Conservative 40; Mismatches 100; Indels 30; Gaps 10;

QY 14 SSGSNEVIRGPQNAVTKGQARFNCTVSQGNKLIMWLSDMVLSVRPMPIITNDREFT 73
DB 20 AGPSPHLQOPEDLVLLGGEARLPCALGAYWGLVQWTKSLGALGGQR-----DLPG 71
QY 74 SORYDOGNFTS---EMIHNVPEPSGNIRCSLQNSRLHG-SAYLTV-----QVME 122
DB 72 WRYWISGNAANGQHDHIRPVELEDEASYEQATQAGLSRPAQLHVLVPPPAQVILG 131
QY 123 LFIPSVNLVVAENPECEVTCLPSHWTR-LPDISW-ELGLLVSHSSVY--FVPE--PSDLQ 176
DB 132 ---PSVSLVA--GVPAULICRSRGDARPTPELLWFRDGLDGAFTHQLLKBTGTPGSVE 186
QY 177 SAVSILALTPQSGNGLTCVATWKSLSKARKSATVNLTVIRCPQDT 220
DB 187 STLTLTPFSDHDDGATLVCRARSQALPTGRDRTAITLSLQYPPVPT 230

RESULT 10
US-10-015-115-87
; Sequence 87, Application US/10015115
; Publication No. US20030207800A1
; GENERAL INFORMATION:
; APPLICANT: Malyankar, Uriel M
; APPLICANT: Shenoy, Suresh G
; APPLICANT: Spytek, Kimberly A
; APPLICANT: Zerhusen, Bryan D
; APPLICANT: Patturajan, Meera
; APPLICANT: Guo, Xiaojia
; APPLICANT: Kekuda, Ramesha
; APPLICANT: Gangolli, Esha A
; APPLICANT: Shimkets, Richard A
; APPLICANT: Taupier, Raymond J
; APPLICANT: Li, Li
; APPLICANT: Padigaru, Muralidhara
; TITLE OF INVENTION: Proteins, Polynucleotides Encoding Them and Methods of
; TITLE OF INVENTION: Using the Same
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Fri Aug 6 08:39:27 2004

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; FILE REFERENCE: 21402-211
; CURRENT APPLICATION NUMBER: US/10/015,115
; CURRENT FILING DATE: 2002-09-23
; PRIOR APPLICATION NUMBER: 60/248,153
; PRIOR FILING DATE: 2000-11-13
; PRIOR APPLICATION NUMBER: 60/249,598
; PRIOR FILING DATE: 2000-11-17
; PRIOR APPLICATION NUMBER: 60/264,240
; PRIOR FILING DATE: 2001-01-26
; PRIOR APPLICATION NUMBER: 60/266,127
; PRIOR FILING DATE: 2001-02-02
; PRIOR APPLICATION NUMBER: 60/269,562
; PRIOR FILING DATE: 2001-02-16
; PRIOR APPLICATION NUMBER: 60/304,348
; PRIOR FILING DATE: 2001-07-10
; PRIOR APPLICATION NUMBER: 60/309,261
; PRIOR FILING DATE: 2001-07-31
; PRIOR APPLICATION NUMBER: 60/313,283
; PRIOR FILING DATE: 2001-08-17
; NUMBER OF SEQ ID NOS: 205
; SOFTWARE: Patent in Ver. 2.1
; SEQ ID NO 87
; LENGTH: 344
; TYPE: PRT
; ORGANISM: Gallus gallus
; US-10-015-115-87
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Query Match 6.6%; Score 137.5; DB 15; Length 344;
Best Local Similarity 26.0%; Pred. No. 0.0032;
Matches 70; Conservative 38; Mismatches 104; Indels 57; Gaps 14;

QY 3 RHLTVPEAVGSGGNEVI-EGPQNAVILKGSQARFNCTVSQ-----GW-----KLIMWALS 53
DB 20 RLLEFLVPAVVRGSDATFPKAMDVTVRQGESATLRCSVDNRVTRVAWLNRSILYAGN 79

QY 54 DMVILSVRPMPIITNDRFTSQRYDQGNFTSEMIHNVEPSDSGNIRCSLQ-----NS 107
DB 80 DKWCLDPRVLLANTKQYSIQ-----IHVDVYDEGPYTCVSQTDHNPRTS 126

QY 108 RLHGSAYLTQVMGELFIPSVNLVVAENPECEVTCLPSHWTRLPD--ISWELGLLVSHS 165
DB 127 RVH-----LIVQSPKTISSDISINEGNVSLTCLIA---TGRPDPTITWR---HISPKA 176

QY 166 YFVPEPSDQSAVILATQSNGLTLCVATWKSILKARKSATVNLTV-----IRCPDPT 220
DB 177 VGFISEDEYLE-----ITGITRQSGEYCSAS-NDVAAPVQVRVKVTVNYPPIYSDAKST 231

QY 221 GGINIPGVL-----SSLPSLGFSLPTWKG 245
DB 232 GVFEVGQKGLMCEASAVFSADFQ---WYK 257
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RESULT 11
US-10-274-583-20
; Sequence 20, Application US/10/274583
; Publication No. US20030138431A1
; GENERAL INFORMATION:
; APPLICANT: Exelixis, Inc.
; TITLE OF INVENTION: LRRCAPS AS MODIFIERS OF THE p53 PATHWAY AND METHODS OF USE
; FILE REFERENCE: EX02-119C
; CURRENT APPLICATION NUMBER: US/10/274,583
; CURRENT FILING DATE: 2002-10-21
; PRIOR APPLICATION NUMBER: 60/338,733
; PRIOR FILING DATE: 2001-10-22
; PRIOR APPLICATION NUMBER: 60/357,600
; PRIOR FILING DATE: 2002-02-15
; PRIOR APPLICATION NUMBER: 60/361,196
; PRIOR FILING DATE: 2002-03-01
; NUMBER OF SEQ ID NOS: 24
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 20
; LENGTH: 1477
; TYPE: PRT
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; ORGANISM: Homo sapiens
US-10-274-583-20

Query Match 6.5%; Score 135; DB 14; Length 1477;
Best Local Similarity 25.0%; Pred. No. 0.037;
Matches 73; Conservative 36; Mismatches 127; Indels 56; Gaps 15;

QY 13 GSGSGNEVIEGPQNAVILKGSQARFNCTVS-QCWKLIMWALSDMVVLSVRPMPIITNDR 71
DB 337 GSPARPTFVIQFQNTTEVLVGESVTLKCSATGHPPPRISWTRGDRTPLPVDRVNIITPS-- 394

QY 72 FTSQRYDQGNFTSEMIHNVEPSDSGNIRCSLQNS--RLHGSAYLTQVMGELFIPSVN 129
DB 395 -----GG-----LYIQNVVQSGDSGEVACSATNNIDSVHATAFIIVQALPQFTVTPQD 441

QY 130 LVVAENPECEVTCLPSHWTRLPDISW-ELGLLVSHSYFVPEPSDQSAVILATPQS 188
DB 442 RVVIEGQTVDFQC-EAKGNPPPVIAWTKGSQLSDRRHLVLSGTLR--ISGVALHDQ- 497

QY 189 NGTLTCTVATWKSILKARKSATVNLTV-----IRCPDPT-----GGGINIPGVLSSLP 236
DB 498 -GOYECQAV--NIIGSKVVAHLTVQPRVTPVFASIPSDTTVEVGANVQLP-----CSSQ 549

QY 237 GFSLP--TWGKVGLGL--AGTMLLTPTCTLT-----RCCCCRRRCG 275
DB 550 GEPEPAITWNKDGQVQVTSKGKPHISPEGFLTINDVGPADAGRYECVARNTIG 601
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RESULT 12
US-10-231-956A-325
; Sequence 325, Application US/10/231956A
; Publication No. US20040053233A1
; GENERAL INFORMATION:
; APPLICANT: Lorens, James B.
; APPLICANT: Xu, Weiduan
; APPLICANT: Bogenberger, Jakob
; APPLICANT: Holland, Sacha
; TITLE OF INVENTION: Modulators of Angiogenesis
; FILE REFERENCE: 021044-004100US
; CURRENT APPLICATION NUMBER: US/10/231,956A
; CURRENT FILING DATE: 2001-08-30
; NUMBER OF SEQ ID NOS: 522
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 325
; LENGTH: 1479
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-231-956A-325
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Query Match 6.5%; Score 135; DB 12; Length 1479;
Best Local Similarity 25.0%; Pred. No. 0.037;
Matches 73; Conservative 36; Mismatches 127; Indels 56; Gaps 15;

QY 13 GSGSGNEVIEGPQNAVILKGSQARFNCTVS-QCWKLIMWALSDMVVLSVRPMPIITNDR 71
DB 337 GSPARPTFVIQFQNTTEVLVGESVTLKCSATGHPPPRISWTRGDRTPLPVDRVNIITPS-- 394

QY 72 FTSQRYDQGNFTSEMIHNVEPSDSGNIRCSLQNS--RLHGSAYLTQVMGELFIPSVN 129
DB 395 -----GG-----LYIQNVVQSGDSGEVACSATNNIDSVHATAFIIVQALPQFTVTPQD 441

QY 130 LVVAENPECEVTCLPSHWTRLPDISW-ELGLLVSHSYFVPEPSDQSAVILATPQS 188
DB 442 RVVIEGQTVDFQC-EAKGNPPPVIAWTKGSQLSDRRHLVLSGTLR--ISGVALHDQ- 497

QY 189 NGTLTCTVATWKSILKARKSATVNLTV-----IRCPDPT-----GGGINIPGVLSSLP 236
DB 498 -GOYECQAV--NIIGSKVVAHLTVQPRVTPVFASIPSDTTVEVGANVQLP-----CSSQ 549

QY 237 GFSLP--TWGKVGLGL--AGTMLLTPTCTLT-----RCCCCRRRCG 275
DB 550 GEPEPAITWNKDGQVQVTSKGKPHISPEGFLTINDVGPADAGRYECVARNTIG 601
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; PRIOR APPLICATION NUMBER: US/09/784,356
; PRIOR FILING DATE: 2001-02-14
; PRIOR APPLICATION NUMBER: US 09/637,977
; PRIOR FILING DATE: 2000-08-11
; NUMBER OF SEQ ID NOS: 135
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 125
; LENGTH: 1496
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-021-660-125

Query March          6.5%, Score 135; DB 14; Length 1496;
Best Local Similarity 25.0%; Pred.No. 0.038;
Matches 73; Conservative 36; Mismatches 127; Indels 56; Gaps 15;

Qy      13  GSGSGNEIVGPGONATVLKGSQAFFNCTVS-QGWKLIMWALSDMVVLSVPMEPIITNDR 71
Db      ||| :||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| :
354  GSAPRPTFVIQPQNTEVLVGESVTLECSAICHPPPRISWTGRDTRPLPVDPRVNITES-- 411
Qy      72  FTSORYDQGNGFTSEMIHNVPEPSDSGNIRCSLQNS--RLHGSAYLTVOVMGELFI PSVN 129
Db      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
412  -----GG-----LVIQNVQCDSEYACSATNNIDSVHATAFIIVQALPQTVPDQ 450
Qy      130  LVVAENPECVETCLPSHWTLPLDISW-ELGLLVSHSSYYFPFSPDLQSASVILALTPQS 189
Db      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
459  RVVIEGTVDVFC-EAKGNPPVIAMTKGSQLSVDRRHVLVSSGTLR--ISGVALHDQ- 514
Qy      189  NGTLCVTATWKSLLKARKSATSNTLV-----IRCPQDT-----GGGINTPGVLSLPSL 236
Db      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
515  -GQVECOAV--NIIGSQVVAHTVQPRVTVFPASPDTTVRGANVQLP-----CSSQ 566
Qy      237  GFSLP--TWGKVGLGH--AGTMLLTTCTLTI-----RCCCCRRC CG 275
Db      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
567  GEPEPALTNKGQGVOTESGFHSPEGFLTINDVGPADAGRVCVARNTIG 618


RESULT 15
US-10-331-496A-28
; Sequence 28, Application US/10331496A
; Publication No. US20030228305A1
; GENERAL INFORMATION:
; APPLICANT: FRANTZ, GRETCHE N
; APPLICANT: HILLAN, KENNETH J.
; APPLICANT: PHILLIPS, HEIDI S.
; APPLICANT: POLAKIS, PAUL
; APPLICANT: SMITH, VICTORIA
; APPLICANT: SPENCER, SUSAN D.
; APPLICANT: WILLIAMS, P. MICKEY
; APPLICANT: WU, THOMAS D.
; APPLICANT: ZHANG, ZEMIN
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE DIAGNOSIS AND TREATMENT OF TUMOR
; FILE REFERENCE: P5014R1-PCT
; CURRENT APPLICATION NUMBER: US/10/331,496A
; CURRENT FILING DATE: 2002-12-30
; PRIOR APPLICATION NUMBER: US 60/345,444
; PRIOR FILING DATE: 2002-01-02
; PRIOR APPLICATION NUMBER: US 60/351,885
; PRIOR FILING DATE: 2002-01-25
; PRIOR APPLICATION NUMBER: US 60/360,066
; PRIOR FILING DATE: 2002-02-25
; PRIOR APPLICATION NUMBER: US 60/362,004
; PRIOR FILING DATE: 2002-03-05
; PRIOR APPLICATION NUMBER: US 60/366,869
; PRIOR FILING DATE: 2002-03-20
; PRIOR APPLICATION NUMBER: US 60/366,284
; PRIOR FILING DATE: 2002-03-21
; PRIOR APPLICATION NUMBER: US 60/368,679
; PRIOR FILING DATE: 2002-03-28
; PRIOR APPLICATION NUMBER: US 60/404,809
; PRIOR FILING DATE: 2002-08-19
; PRIOR APPLICATION NUMBER: US 60/405,645
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Fri Aug 6 08:39:27 2004

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; PRIOR FILING DATE: 2002-08-21
; NUMBER OF SEQ ID NOS: 95
; SEQ ID NO 28
; LENGTH: 1496
; TYPE: PRT
; ORGANISM: Homo sapien
; US-10-331-496A-28

Query Match      6.5%; Score 135; DB 15; Length 1496;
Best Local Similarity 25.0%; Pred. No. 0.038;
Matches 73; Conservative 36; Mismatches 127; Indels 56; Gaps 15;

QY 13 GSGSGNEVIEGPONATVLKGSQARFNCTYS-QGWKLIMWALS DMVVL SVRPMPEIITNDR 71
Db 354 GSPARPTFVIQPNTEVLVGESVTLCSATGHPPPRISWTRGDRTPLPVDPRVNIIPS-- 411
QY 72 FTSQRYDQGNFTSEMIHNVPSDSGNIRCSLQNS--RLHGSAYLTVQVMGELFIPSVN 129
Db 412 -----GG-----LYIQNVQGDGGEYACSATNNIDSVHATAFIIVQALPQFTVTPQD 458
QY 130 LVVAENPECEVTCLPSSHWTSLPDISM-ELGLLVSHSYYPVPEPSDLOSASVILALTPQS 188
Db 459 RVVIEGQTVDFQC-EAKGNPPVIAWTKGGSQLSVDRRHVLVLSGTLR--ISGVADHDQ- 514
QY 189 NGHLTCVATWKS LKARKSATVNLTV-----IRCPQDT-----GGGINIPGVLSLPSL 236
Db 515 -GQYECQAV--NIIGSQKVAHLTVQPRVTPVFASIPSDTTFVEGVANVQLP-----CSSQ 566
QY 237 GFSLP--TWGKVLGL--AGTMLITPTCTLTI-----RCCCCRRRCQG 275
Db 567 GEPEPAITWNKDGQVVTESGKFHISPSGFLTINDVGPADAGRYECVARNTIG 618
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Job time : 41.4731 secs

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OM protein - protein search, using sw model

Run on: July 30, 2004, 14:57:22 ; Search time 15.052 Seconds
(without alignments)
1323.919 Million cell updates/sec

Title: US-09-729-264-4
Perfect score: 2088
Sequence: 1 MVAGAMENRPPGSGGNEV.....HPQAFNLASPEKVSNTTVV 386

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 389414

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Listing first 45 summaries

Database : Issued Patents AA:*
1: /cgn2_6/ptodata/2/iaa/5A COMB.pcp.*
2: /cgn2_6/ptodata/2/iaa/5B COMB.pcp.*
3: /cgn2_6/ptodata/2/iaa/6A COMB.pcp.*
4: /cgn2_6/ptodata/2/iaa/6B COMB.pcp.*
5: /cgn2_6/ptodata/2/iaa/PCTUS COMB.pcp.*
6: /cgn2_6/ptodata/2/iaa/backfiles1.pcp.*

pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	145.5	7.0	404	US-09-638-649-3	Sequence 3, Appli
2	136	6.5	1447	US-09-041-886-25	Sequence 25, Appl
3	136	6.5	1447	PCT-US94-05277-2	Sequence 2, Appli
4	132.5	6.3	869	US-08-374-834-16	Sequence 16, Appl
5	132.5	6.3	869	US-08-644-271-29	Sequence 29, Appl
6	132.5	6.3	869	US-09-077-955-33	Sequence 33, Appl
7	128.5	6.2	1345	US-08-377-767-3	Sequence 3, Appli
8	123.5	5.9	340	US-09-651-200-2	Sequence 2, Appli
9	123.5	5.9	441	US-09-651-200-4	Sequence 4, Appli
10	122.5	5.9	534	US-09-651-200-6	Sequence 6, Appli
11	122.5	5.9	534	US-09-651-200-24	Sequence 24, Appl
12	121.5	5.8	332	US-09-062-365-1	Sequence 1, Appli
13	120	5.7	1395	US-09-540-245A-15	Sequence 15, Appl
14	118	5.7	868	US-08-374-834-1	Sequence 1, Appli
15	118	5.7	868	US-08-644-271-1	Sequence 1, Appli
16	116.5	5.6	868	US-09-077-955-1	Sequence 1, Appli
17	116.5	5.6	318	US-08-633-148-4	Sequence 4, Appli
18	116.5	5.6	340	US-08-633-148-2	Sequence 2, Appli
19	115.5	5.5	478	PCT-US95-08493-15	Sequence 15, Appl
20	115.5	5.5	860	PCT-US95-08493-19	Sequence 19, Appl
21	115.5	5.5	868	PCT-US95-08493-21	Sequence 21, Appl
22	115.5	5.5	946	PCT-US95-08493-13	Sequence 13, Appl
23	115	5.5	313	US-09-700-397-4	Sequence 4, Appli
24	115	5.5	344	US-09-700-397-3	Sequence 3, Appli
25	114.5	5.5	364	US-08-896-537A-3	Sequence 3, Appli
26	113	5.4	325	US-09-651-200-20	Sequence 20, Appl
27	113	5.4	1461	US-09-976-594-531	Sequence 531, App

ALIGNMENTS

RESULT 1
US-09-638-649-3
; Sequence 3, Application US/09638649
; Patent No. 6563015
; GENERAL INFORMATION:

; APPLICANT: Stern, David M.
; APPLICANT: Schmidt, Ann Marie
; APPLICANT: Yan, Shi Du
; TITLE OF INVENTION: TRANSGENIC MICE OVER-EXPRESSING RECEPTOR FOR ADVANCED GLYCATION ENDPRODUCT (RAGE) AND MUTANT APP IN BRAIN AND
; TITLE OF INVENTION: USES THEREOF
; FILE REFERENCE: 0575/62175
; CURRENT APPLICATION NUMBER: US/09/638,649
; CURRENT FILING DATE: 2000-08-14
; NUMBER OF SEQ ID NOS: 10
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 3
; LENGTH: 404
; TYPE: PRT
; ORGANISM: Human
US-09-638-649-3

Query Match 7.0%; Score 145.5; DB 4; Length 404;
Best Local Similarity 23.5%; Pred. No. 6.8e-05;
Matches 77; Conservative 34; Mismatches 94; Indels 123; Gaps 15;
QY 64 EPIITNDRFTS-----QRYDQGNFT--SEMIHNVPESDSGNIR----CSLQNSRLHGS 112
Db 162 KPLVPNEKGVSKQETRRHPETGLFTLQSELM--VTPARGGDRPTFCSCFSFGLPRHR 218
QY 113 AVLTQVMGELIP---SVNLVVAENP-----CEVTCLPSHTWLPDIS 154
Db 219 ALRTAPIQPRVWEPVLEEVQLWV---EPEGAVAPGGTVTTLTCEVPAQPS-----PQIH 270
QY 155 WELGLLVSHSSYFYFPEPSDLSQSAVSIILALTPQSNGLTTCVATWKSARKSATVNLTVI 214
Db 271 WMKD-----GVPLPLPPSVLLIPIGPDQGTQYSCVATHSHGQESRAVISI 321
QY 215 RCPQDTGGGINIPGVLSLPSLPSLPSLPSLPSLPSLPSLPSLPSLPSLPSLPSLPSLPSL 267
Db 322 E-PGEG-----PTAGSVGGSLGTALALGILGSLGTAALLIGVI 361
QY 268 CCRRECCGNCRCRCCFCRRKRGFRIOFKSEKKT--NKETESNGNSGNSDQ 325
Db 362 LMQR-----QRRGEERKAPENQEEEEAEFLN----- 389
QY 326 KTTDTASLPKSCSSDPEORNSCGPP 353
Db 390 -----QSEEPAGESSGGP 404

Query Match 6.5%; Score 136; DB 5; Length 1447;
 Best Local Similarity 25.1%; Pred. No. 0.0028;
 Matches 62; Conservative 34; Mismatches 101; Indels 50; Gaps 10;

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Query Match          6.5%; Score 136; DB 3; Length 1447;
Best Local Similarity 25.1%; Pred.No.0.0028;
Matches      62; Conservative    34; Mismatches   101; Indels     50; Gaps       10;
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	9	RDPGSGSNEV-----TEGPONARVLKGSQAFNCTUSQG--KLIMW	50
QY	:	: :: :	:
Dg	215	RNPASRTGNAEVRILSDPGLRQLRYFLQRPNVAIEGKDVLVECCVS-GYPFSPFTW	273
	:	:: :	:
QY	51	AUSDVVLVSRPMPEIITNDRFTSQRXDGGNTFSMLIHNVPSDSGNTRC--SLQNRS	108
Dg	274	LARGEVI-----OLRKKKYSLDGG--SNLLISVTDDSGMTCVVTYKNEN	318
	:	:: :	:
QY	109	LHGSAYLTVQMVGELFIPIPSVNLYAAENEPCSVTCLPHSHWTLPDISW-ELGLLAVSHSSYY	167
Dg	319	ISASAELTVLPWFPLNHPSNLAYESMDIEFFECTVSGKP-VPTNNWMKGVDVIPSDYE	377
	:	: :	:
QY	168	FVPEDSDOSAVISALITPOSNGTLTCAATWKSKLKARKSATVNLTVIRCQDTGGGINIP	227
Dg	378	QIVGGSNILR---ILGVVKSDGEFYQCVAENAGNAQTSAQLIVPKPAIFSS----	426
	:	:: :	:
QY	228	GVLSSUP	234
	:		:
Dg	427	-VLPSAP	432

RESULT 3
PCT-US94-05277-2
; Sequence 2, Application PC/TUS9405277
; GENERAL INFORMATION:
; APPLICANT: Bruskin, Arthur
; ADDRESS: Regeneron Pharmaceuticals, Inc.
; CORRESPONDENCE ADDRESS:
; NUMBER OF SEQUENCES: 17
; TITLE OF INVENTION: NOVEL TYROSINE KINASE RECEPTOR
; APPLICANT: Valenzuela, et al.
; GENERAL INFORMATION:

STREET: 777 Old Saw Mill River Road
CITY: Tarrytown
STATE: New York
COUNTRY: USA
ZIP: 10591
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/374,834
FILING DATE: 19-JAN-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/095,658
FILING DATE: 21-JUL-1993
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/644,271
FILING DATE: 10-MAY-1996
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: USSN 60/008,657
FILING DATE: 15-DEC-1995
ATTORNEY/AGENT INFORMATION:
NAME: Covert, Robert J.
REGISTRATION NUMBER: 36,108
REFERENCE/DOCKET NUMBER: REG 190A
TELECOMMUNICATION INFORMATION:
TELEPHONE: (914) 345-7400
TELEFAX: (914) 345-7721
INFORMATION FOR SEQ ID NO: 16:
SEQUENCE CHARACTERISTICS:
LENGTH: 869 amino acids
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: unknown
MOLECULE TYPE: protein
US-08-374-834-16

Query Match 6.3%; Score 132.5; DB 1; Length 869;
Best Local Similarity 20.8%; Pred. No. 0.0029;
Matches 89; Conservative 55; Mismatches 178; Indels 105; Gaps 20;
QY 4 GAMENRDPGSGNEVIEGPQARVVGKSGARFNCTVSGQWK-LIMWALSOMVLSVRP 62
Db 113 GALQVKMKP-----KITRPPINVKIEGLKAVLPCTTGNPKPSVSWIKGD----- 158
QY 63 MEPIITNDRFTSORVDQGNFTSEMIHNVPEPSDGNIRCSLQNSRLHGSAY-LTVQVMG 121
Db 159 -SPLRENSRIAVLE-----SGSLRIHNVQKEDAGQYRCVAKNSL--GTAYSKVVKLEV 208
QY 122 ELFIPSVNLVAENEP-----CEVTCLPSSHWTWLPDISW-ELGLLVSHSSYFVPEP 172
Db 209 EVFARILRAPESHNVTFGSFVTLHCTATGIP-----VPTITWIENGNAVSSGSIQESVKD 263
QY 173 SDLQSAVSILALTPQSNGLTTCVAT-----WKSILKARKSATVNLTVIRCPQDTGGG----- 223
Db 264 RVIDSRLQLFITKP---GLYTICATNKHGKFKSTAKAAATISIAEWSKPKDNKGCAQY 320
QY 224 ----INIPGVLSLSLGSFSL-----PTWGVKGLGLAGTMTLTPTCTLTIRCC 267
Db 321 RGEVCNAVLAADALVFLNTSYADPEAQELLVHTAWNEL-----KVVSFVCRPAABAL 373
QY 268 CRRRCGCCN-----CCRCC-----FCCRKRGFRIOFKKSEKTKETETETE 312
Db 374 LCNHIFQECSPGVVPTPIICREYCLAVKELFCAKE-----WLVMEKTHRGYLRSEMHLL 429
QY 313 SGNENSGYNSDEQKTTDTASLPKPKSCSSDPEQRNSCGPPHQADQRP----PRPASHP 368
Db 430 SVPECSKLPMSHWDPTACARLP-----HLDYKNENLKTFFP--MTSSKPSVDIPNLPSSS 482
369 QASFNLA 375
483 SSSFSVS 489
RESULT 5
US-08-644-271-29
; Sequence 29, Application US/08644271

Patent No. 5814478
GENERAL INFORMATION:
APPLICANT: Valenzuela, et al.
TITLE OF INVENTION: NOVEL TYROSINE KINASE RECEPTORS
TITLE OF INVENTION: AND LIGANDS
NUMBER OF SEQUENCES: 32
CORRESPONDENCE ADDRESS:
ADDRESSEE: Regeneron Pharmaceuticals, Inc.
STREET: 777 Old Saw Mill Road
CITY: Tarrytown
STATE: NY
COUNTRY: USA
ZIP: 10591
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/644,271
FILING DATE: 10-MAY-1996
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: USSN 60/008,657
FILING DATE: 15-DEC-1995
ATTORNEY/AGENT INFORMATION:
NAME: Covert, Robert J.
REGISTRATION NUMBER: 36,108
REFERENCE/DOCKET NUMBER: REG 195A
TELECOMMUNICATION INFORMATION:
TELEPHONE: 914-345-7400
TELEFAX: 914-345-7721
TELEX:
INFORMATION FOR SEQ ID NO: 29:
SEQUENCE CHARACTERISTICS:
LENGTH: 869 amino acids
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: unknown
MOLECULE TYPE: protein
US-08-644-271-29
Query Match 6.3%; Score 132.5; DB 2; Length 869;
Best Local Similarity 20.8%; Pred. No. 0.0029;
Matches 89; Conservative 55; Mismatches 178; Indels 105; Gaps 20;
QY 4 GAMENRDPGSGNEVIEGPQARVVGKSGARFNCTVSGQWK-LIMWALSOMVLSVRP 62
Db 113 GALQVKMKP-----KITRPPINVKIEGLKAVLPCTTGNPKPSVSWIKGD----- 158
QY 63 MEPIITNDRFTSORVDQGNFTSEMIHNVPEPSDGNIRCSLQNSRLHGSAY-LTVQVMG 121
Db 159 -SPLRENSRIAVLE-----SGSLRIHNVQKEDAGQYRCVAKNSL--GTAYSKVVKLEV 208
QY 122 ELFIPSVNLVAENEP-----CEVTCLPSSHWTWLPDISW-ELGLLVSHSSYFVPEP 172
Db 209 EVFARILRAPESHNVTFGSFVTLHCTATGIP-----VPTITWIENGNAVSSGSIQESVKD 263
QY 173 SDLQSAVSILALTPQSNGLTTCVAT-----WKSILKARKSATVNLTVIRCPQDTGGG----- 223
Db 264 RVIDSRLQLFITKP---GLYTICATNKHGKFKSTAKAAATISIAEWSKPKDNKGCAQY 320
QY 224 ----INIPGVLSLSLGSFSL-----PTWGVKGLGLAGTMTLTPTCTLTIRCC 267
Db 321 RGEVCNAVLAADALVFLNTSYADPEAQELLVHTAWNEL-----KVVSFVCRPAABAL 373
QY 268 CRRRCGCCN-----CCRCC-----FCCRKRGFRIOFKKSEKTKETETETE 312
Db 374 LCNHIFQECSPGVVPTPIICREYCLAVKELFCAKE-----WLVMEKTHRGYLRSEMHLL 429
QY 313 SGNENSGYNSDEQKTTDTASLPKPKSCSSDPEQRNSCGPPHQADQRP----PRPASHP 368
Db 430 SVPECSKLPMSHWDPTACARLP-----HLDYKNENLKTFFP--MTSSKPSVDIPNLPSSS 482

Qy 369 QASENLA 375
Db 483 SSSFSVS 489

RESULT 6
US-09-077-955-33
; Sequence 33, Application US/09077955A
; Patent No. 6413740
; GENERAL INFORMATION:
; APPLICANT: Valenzuela et al., David M.
; TITLE OF INVENTION: NOVEL TYROSINE KINASE RECEPTORS AND LIGANDS
; FILE REFERENCE: REG195-B-PCT-US
; CURRENT APPLICATION NUMBER: US/09/077,955A
; CURRENT FILING DATE: 1998-09-10
; EARLIER APPLICATION NUMBER: PCT/US96/20696
; EARLIER FILING DATE: 1996-12-13
; EARLIER APPLICATION NUMBER: 08/644,271
; EARLIER FILING DATE: 1996-05-10
; EARLIER APPLICATION NUMBER: 60/008,657
; EARLIER FILING DATE: 1995-12-15
; NUMBER OF SEQ ID NOS: 36
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 33
; LENGTH: 869
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-077-955-33

Query Match 6.3%; Score 132.5; DB 4; Length 869;
Best Local Similarity 20.8%; Pred. No. 0.0029;
Matches 89; Conservative 55; Mismatches 178; Indels 105; Gaps 20;

Qy 4 GAMEDRPPGSGNEVIEGPQARVLKGSQARENCTVSGWK-LIMWALSDMVVLVSRP 62
Db 113 GALQVKMP-----KITRPINVKIIEGLKAVLPCTTMGNPKPSVSWIKGD----- 158
Qy 63 MEPIITNDRFTSQRYDOGGNFTSEMIHNVEPDSGNIRCSLQNSRLHGSAY-LTVQVMG 121
Db 159 -SPLRENSRIAVLE-----SGSLRIHNVOKEGAGQYRCVAKNSL--GTAISKVKVLEV 208
Qy 122 ELRIPSNLVVAENP-----CEVTCPLSHWTWLPDISW-BLGLLVSHSSYFYFPEP 172
Db 209 EVFARIIRAPESHNVTTGSGFVTLHCTATGP-----VPTIWIENGNAVSSGSIQESVKD 263
Qy 173 SDLOSAVSILALTPQSGNLTTCVAT-----WKSLLKARKSATVNLTVIRCPQDTGGG----- 223
Db 264 RVIDRLQLFITKP--GLYTICATNKGHEKFSTAKAAATISIAEWSKPKQDNKGCAQY 320
Qy 224 ----INIPGVLSLPSLGFSI-----PTWKGVLGLAGTMLLTPTCTLTIRCC 267
Db 321 RGEVCNAVLAKDALVFLNTSYADPEEAQELLVHTAWNEL-----KVVSVPVCPAPAL 373
Qy 268 CRRRCOCGN-----CCRCG-----FCRRKRGFRIQFQKSEKKTNETETE 312
Db 374 LCNHIFQECSPGVPTPIPCREYCLAVKELFCAKE-----WLVMEKTHRGYRSEMHL 429
Qy 313 SGNENSGYNSDEQKTTDTASIPPKSCSSDEQRNSCGPHQRADQP-----PPASHP 368
Db 430 SVPECSKLPMSHWDPTACARLP-----HLDYNKENLKTFFP--MTSSKPSVDIPNLPSS 482

Qy 369 QASENLA 375
Db 483 SSSFSVS 489

RESULT 7
US-08-977-767-3
; Sequence 3, Application US/08977767
; Patent No. 5972684
; GENERAL INFORMATION:
; APPLICANT: Bandman, Olga

; APPLICANT: Yue, Henry
; APPLICANT: Greenwald, Sara
; APPLICANT: Corley, Neil C.
; TITLE OF INVENTION: CARBONIC ANHYDRASE VIII
; NUMBER OF SEQUENCES: 3
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Drive
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/977,767
; FILING DATE: Herewith
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Billings, Lucy J.
; REGISTRATION NUMBER: 36,749
; REFERENCE/DOCKET NUMBER: PF-0423 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650-855-0555
; TELEFAX: 650-845-4166
; TELEX:
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1345 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: GenBank
; CLONE: 1532042
US-08-977-767-3

Query Match 6.2%; Score 128.5; DB 2; Length 1345;
Best Local Similarity 33.0%; Pred. No. 0.012;
Matches 37; Conservative 1; Mismatches 41; Indels 33; Gaps 5;

Qy 190 GTLTCTVATWLSLKARKSATVNLTVIRCPQDTGGGI-----NIPGVLSLPSLPSLPTWGWK 245
Db 414 GTCTCTGT-----GC-CGTGGGAAGCGTCAGAGCCCCCGTGATGTGGA 455

Qy 246 VGLGLAGTMLLT-PTCTLTIRCCRRRCRCGCCNCCRC-----CFCC 286
Db 456 CGTGAAGGGTCTCTATGACCCCTCTCTGCCCCCTCTGAGACTCAGCACC 507

RESULT 8
US-09-651-200-2
; Sequence 2, Application US/09651200
; Patent No. 6429303
; GENERAL INFORMATION:
; APPLICANT: Green et al
; TITLE OF INVENTION: Polynucleotides Encoding Members of the Human B
; Lymphocyte Activation Antigen B-7 Family and
; TITLE OF INVENTION: Polypeptides Encoded Thereby
; FILE REFERENCE: 15966-562 (CURA-62)
; CURRENT APPLICATION NUMBER: US/09/651,200
; CURRENT FILING DATE: 2000-08-30
; PRIOR APPLICATION NUMBER: 60/152383
; PRIOR FILING DATE: 1999-09-03
; PRIOR APPLICATION NUMBER: 60/172909
; PRIOR FILING DATE: 1999-12-21
; PRIOR APPLICATION NUMBER: 60/183578

```
; PRIOR FILING DATE: 2000-02-18
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: Patent In Ver. 2.0
; SEQ ID NO 2
; LENGTH: 340
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-651-200-2

Query Match
Best Local Similarity 5.9%; Score 123.5; DB 4; Length 340;
Matches 78; Conservative 50; Mismatches 130; Indels 109; Gaps 17;

QY 11 PPGSGSGNEVIEGPONARV-LKGSQARFNCTVS--QGWL-----IMWALSDMVLSVRPM 63
Db 45 PQRSPTGAVEVQVPEDPVVALVGTDLTHCSFSPGFSLTQLNLIWQTDTKQLV-----201
QY 64 EPIITNDRFTSORYDQGNF-----TSEMIHNVPEPSDSGNIRCSLQNSRL 109
Db 202 -----HSFTEGR-DQGSAYANRTALFPDILLAQGNASRLRQVRVADEGSFTCFV-SIRD 253
QY 110 HGSAYLTVQVMGELFIPSVNLV-----VAENPECEVTCLPSHWTWLP--DISWELGL---L 160
Db 254 FGSAAVSLQVAAPYKPSMTLEPNKDLRPGDVTITC--SSYRGYPEAEVFWQDQGVPL 311
QY 161 VSHSSYFVPEPSDLOSASVILALTPQSNGLTLCVATWKSLSKARKSATVNLTVIRCP---217
Db 312 TGNVTTSQMANEQGLFDVHSLRVVLGANGTYS-::: 353
QY 218 QDTGGGINIPGVLSLPSLFGSLPTWKGVLGLAGTMLLTPTCTLTIRCCCRRCGCGN 277
Db 354 QDAHGSVTITGQPMTPPEAL-----WTVGLSVCLIALLV-----389
QY 278 CCRCFCPCRKRGRFQIOKKEKTKNTKETESNGNSGYNSEDEQKTTDTASLPKPS 337
Db 390 ---ALAFVCRK-----IKQSCENAGAEQDQ-----EGGSKTALQPLKH 429
QY 338 CESSDPE 344
Db 430 SDSKEDD 436

RESULT 10
US-09-651-200-6
; Sequence 6, Application US/09651200
; Patent No. 6429303
; GENERAL INFORMATION:
; APPLICANT: Green et al
; TITLE OF INVENTION: Polynucleotides Encoding Members of the Human B
; TITLE OF INVENTION: Lymphocyte Activation Antigen B-7 Family and
; TITLE OF INVENTION: Polypeptides Encoded Thereby
; FILE REFERENCE: 15966-562 (CURA-62)
; CURRENT APPLICATION NUMBER: US/09/651,200
; CURRENT FILING DATE: 2000-08-30
; PRIOR APPLICATION NUMBER: 60/152383
; PRIOR FILING DATE: 1999-09-03
; PRIOR APPLICATION NUMBER: 60/172909
; PRIOR FILING DATE: 1999-12-21
; PRIOR APPLICATION NUMBER: 60/183578
; PRIOR FILING DATE: 2000-02-18
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: Patent In Ver. 2.0
; SEQ ID NO 6
; LENGTH: 534
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-651-200-6

Query Match
Best Local Similarity 5.9%; Score 122.5; DB 4; Length 534;
Matches 78; Conservative 49; Mismatches 131; Indels 109; Gaps 17;

QY 11 PPGSGSGNEVIEGPONARV-LKGSQARFNCTVS--QGWL-----IMWALSDMVLSVRPM 63
Db 239 PQRSPTGAVEVQVPEDPVVALVGTDLTHCSFSPGFSLTQLNLIWQTDTKQLV-----294
QY 64 EPIITNDRFTSORYDQGNF-----TSEMIHNVPEPSDSGNIRCSLQNSRL 109
Db 295 -----HSFTEGR-DQGSAYANRTALFPDILLAQGNASRLRQVRVADEGSFTCFV-SIRD 346
QY 110 HGSAYLTVQVMGELFIPSVNLV-----VAENPECEVTCLPSHWTWLP--DISWELGL---L 160
Db 347 FGSAAVSLQVAAPYKPSMTLEPNKDLRPGDVTITC--SSYRGYPEAEVFWQDQGVPL 404
QY 161 VSHSSYFVPEPSDLOSASVILALTPQSNGLTLCVATWKSLSKARKSATVNLTVIRCP---217
Db 405 TGNVTTSQMANEQGLFDVHSLRVVLGANGTYS-::: 446

; PRIOR FILING DATE: 2000-02-18
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: Patent In Ver. 2.0
; SEQ ID NO 2
; LENGTH: 340
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-651-200-2

Query Match
Best Local Similarity 5.9%; Score 123.5; DB 4; Length 340;
Matches 78; Conservative 50; Mismatches 130; Indels 109; Gaps 17;

QY 11 PPGSGSGNEVIEGPONARV-LKGSQARFNCTVS--QGWL-----IMWALSDMVLSVRPM 63
Db 45 PQRSPTGAVEVQVPEDPVVALVGTDLTHCSFSPGFSLTQLNLIWQTDTKQLV-----201
QY 64 EPIITNDRFTSORYDQGNF-----TSEMIHNVPEPSDSGNIRCSLQNSRL 109
Db 202 -----HSFTEGR-DQGSAYANRTALFPDILLAQGNASRLRQVRVADEGSFTCFV-SIRD 253
QY 110 HGSAYLTVQVMGELFIPSVNLV-----VAENPECEVTCLPSHWTWLP--DISWELGL---L 160
Db 254 FGSAAVSLQVAAPYKPSMTLEPNKDLRPGDVTITC--SSYRGYPEAEVFWQDQGVPL 311
QY 161 VSHSSYFVPEPSDLOSASVILALTPQSNGLTLCVATWKSLSKARKSATVNLTVIRCP---217
Db 312 TGNVTTSQMANEQGLFDVHSLRVVLGANGTYS-::: 353
QY 218 QDTGGGINIPGVLSLPSLFGSLPTWKGVLGLAGTMLLTPTCTLTIRCCCRRCGCGN 277
Db 354 QDAHGSVTITGQPMTPPEAL-----WTVGLSVCLIALLV-----389
QY 278 CCRCFCPCRKRGRFQIOKKEKTKNTKETESNGNSGYNSEDEQKTTDTASLPKPS 337
Db 390 ---ALAFVCRK-----IKQSCENAGAEQDQ-----EGGSKTALQPLKH 429
QY 338 CESSDPE 344
Db 430 SDSKEDD 436

RESULT 9
US-09-651-200-4
; Sequence 4, Application US/09651200
; Patent No. 6429303
; GENERAL INFORMATION:
; APPLICANT: Green et al
; TITLE OF INVENTION: Polynucleotides Encoding Members of the Human B
; TITLE OF INVENTION: Lymphocyte Activation Antigen B-7 Family and
; TITLE OF INVENTION: Polypeptides Encoded Thereby
; FILE REFERENCE: 15966-562 (CURA-62)
; CURRENT APPLICATION NUMBER: US/09/651,200
; CURRENT FILING DATE: 2000-08-30
; PRIOR APPLICATION NUMBER: 60/152383
; PRIOR FILING DATE: 1999-09-03
; PRIOR APPLICATION NUMBER: 60/172909
; PRIOR FILING DATE: 1999-12-21
; PRIOR APPLICATION NUMBER: 60/183578
; PRIOR FILING DATE: 2000-02-18
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: Patent In Ver. 2.0
; SEQ ID NO 4
; LENGTH: 441
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-651-200-4

Query Match
Best Local Similarity 5.9%; Score 123.5; DB 4; Length 441;
Matches 78; Conservative 50; Mismatches 130; Indels 109; Gaps 17;

QY 11 PPGSGSGNEVIEGPONARV-LKGSQARFNCTVS--QGWL-----IMWALSDMVLSVRPM 63
```

Db 523 SDSKEDD 529

RESULT 12

US-09-062-365-1

; Sequence 1, Application US/09062365

; Patent No. 6465422

; GENERAL INFORMATION:

; APPLICANT: Schmidt, Ann Marie

; APPLICANT: Stern, David

; TITLE OF INVENTION: METHOD FOR INHIBITING TUMOR INVASION OR SPREADING IN A

; TITLE OF INVENTION: SUBJECT

; FILE REFERENCE: 55424

; CURRENT APPLICATION NUMBER: US/09/062,365

; CURRENT FILING DATE: 1998-04-17

; NUMBER OF SEQ ID NOS: 6

; SOFTWARE: PatentIn Ver. 2.1

; SEQ ID NO 1

; LENGTH: 332

; TYPE: PRT

; ORGANISM: Human

US-09-062-365-1

Query Match 5.8%; Score 121.5; DB 4; Length 332;

Best Local Similarity 25.7%; Pred. No. 0.0075;

Matches 57; Conservative 27; Mismatches 69; Indels 69; Gaps 11;

QY 64 EPIITNDREFTS-----QRYDQGNFT--SEMIHNVPSDSGNIR-----CSLQNSRLHGS 112

Db 140 KPLVPNEGVSVKQTRRHPTGLFTLQSELM---VTPARGGDRPTFCFSFGLPRHR 196

QY 113 AYLTVQVMGELFTIP-----SVNLVVAENEP-----CEVTLPSHWTWLPDIS 154

Db 197 ALRTAPIQPRWEPVPLEEVQLVV---EPEGGAVAPGGTTLTCEVPAQPS-----FOIH 248

QY 155 WELGLLVSHSYFVPEPSDLSQSAVSILALTPQSNGLITCVATWKSLSKARKSATVNLTVI 214

Db 249 WMKD-----GVPLPLPPSVLILPEIGPQQQGYSCVATHSSHGPGQESRAVSII 299

QY 215 RCPDGTGGINIPGVLSLSPLSGFSLPTWKGVLGLAGTMLL 256

Db 300 E-PGEEG-----PTAGSVGGSGGLGTAL 321

RESULT 13

US-09-540-245A-15

; Sequence 15, Application US/09540245A

; Patent No. 6270984

; GENERAL INFORMATION:

; APPLICANT: Goodman, Corey

; APPLICANT: Kid, Thomas

; APPLICANT: Broese, Katja

; APPLICANT: Tessier-Lavigne, Marc

; TITLE OF INVENTION: Modulating Robo: Ligand Interactions

; FILE REFERENCE: B98-031-3

; CURRENT APPLICATION NUMBER: US/09/540,245A

; CURRENT FILING DATE: 2000-03-31

; PRIOR APPLICATION NUMBER: 60/065,544

; PRIOR FILING DATE: 1997-11-14

; PRIOR APPLICATION NUMBER: 60/081,057

; PRIOR FILING DATE: 1998-04-07

; NUMBER OF SEQ ID NOS: 20

; SOFTWARE: PatentIn Ver. 2.0

; SEQ ID NO 15

; LENGTH: 1395

; TYPE: PRT

; ORGANISM: Drosophila melanogaster

US-09-540-245A-15

Query Match 5.7%; Score 120; DB 3; Length 1395;

Best Local Similarity 26.2%; Pred. No. 0.074;

Matches 66; Conservative 29; Mismatches 101; Indels 56; Gaps 15;

QY 218 QDTGGGINIPGVLSLPSLPSLPGFSLPTWKGVLGLAGTMLLTPTCTLTIRCCCCRRCCGCN 277

Db 447 QDAHGSVTITGQPMTPFPPEAL-----WVTGLSVCLIALLV----- 482

QY 278 CCCRCCFCRRKRGFRIQKQKSEKTKTKETETESGNENSGYNSDEQKTTDTASLPKPS 337

Db 483 ---ALAFVCMWK-----IKOSCEEENAGAEQDQ-----EGGSKTALQPLKH 522

QY 338 CESSDPE 344

Db 523 SDSKEDD 529

RESULT 11

US-09-651-200-24

; Sequence 24, Application US/09651200

; Patent No. 6423303

; GENERAL INFORMATION:

; APPLICANT: Green et al

; TITLE OF INVENTION: Polynucleotides Encoding Members of the Human B

; TITLE OF INVENTION: Lymphocyte Activation Antigen B-7 Family and

; TITLE OF INVENTION: Polypeptides Encoded Thereby

; FILE REFERENCE: 15966-562 (CURA-62)

; CURRENT APPLICATION NUMBER: US/09/651,200

; CURRENT FILING DATE: 2000-08-30

; PRIOR APPLICATION NUMBER: 60/152383

; PRIOR FILING DATE: 1999-09-03

; PRIOR APPLICATION NUMBER: 60/172909

; PRIOR FILING DATE: 1999-12-21

; PRIOR APPLICATION NUMBER: 60/183578

; PRIOR FILING DATE: 2000-02-18

; NUMBER OF SEQ ID NOS: 25

; SOFTWARE: PatentIn Ver. 2.0

; SEQ ID NO 24

; LENGTH: 534

; TYPE: PRT

; ORGANISM: Unknown

; FEATURE:

; OTHER INFORMATION: Description of Unknown Organism: Sequence

; OTHER INFORMATION: mz5020.protein from Figure 4.

US-09-651-200-24

Query Match 5.9%; Score 122.5; DB 4; Length 534;

Best Local Similarity 21.3%; Pred. No. 0.012;

Matches 78; Conservative 49; Mismatches 131; Indels 109; Gaps 17;

QY 11 PPGSGSGNEVTEGPQNAHV-LKGSQARFNCTVS--QGWKL-----IMWALSDMVVLSVRPM 63

Db 239 FQRPSTGAVFQVQPEDPVVALGTDATLRCFSPEPGFSLAQLNLIWLTDTKQLV----- 294

QY 64 EPIITNDREFTSQRYDQGNF-----TSEMIHNVPSDSGNIRCSLQNSRL 109

Db 295 -----HSFTEGR-DQGSAYANRTALFPDLAQGNASLRLQVRVADEGFSFCTFY-SIRD 346

QY 110 HGSAYLTVQVMGELFIPSVNLV-----VAENEPCEVTCLPSHWTMLP--DISWELGL--L 160

Db 347 FGSAAVSLQVAAPYKPSMTLEPNKDLRPGDVTITC--SSYRGVPEAEVFMQDQGVPL 404

QY 161 VSHSYFYFVPEPSDLSQSAVSILALATPQSNGLITCVATWKSLSKARKSATVNLTVIRCP--- 217

Db 405 TGNVTTSQMANEQGLFDVHSVLRVLGANGTYSC-----LVNPFVLQ 446

QY 218 QDTGGGINIPGVLSLPSLPSLPGFSLPTWKGVLGLAGTMLLTPTCTLTIRCCCCRRCCGCN 277

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QY 278 CCCRCCFCRRKRGFRIQKQKSEKTKTKETETESGNENSGYNSDEQKTTDTASLPKPS 337

Db 483 ---ALAFVCMWK-----IKOSCEEENAGAEQDQ-----EGGSKTALQPLKH 522

QY 338 CESSDPE 344

Qy	24	PONARVLKGSOARENCTVSQG--WKLIW-----ALSDMVLSVRPMEPIITNDRAFTSOR	76
Dd	161	KDTRVAKGETALLCEGPKGIPEPTLIIWDGVPLDLKAMSGASSRV-----R	211
Qy	77	YDOGNFTSEMIHNVEPSDSNIBCSQN---SRLHGSAYLTVOVMGELFIPSYNLVA	133
Dd	212	IVDGGN----LLISNVEIDEGNYKCIAQLNVGTRESSYAKULIVQPYFMKEPKDQVWL	267
Qy	134	ENEP-----CEVTCLPSHWMTWLPDISW---ELGLLVSHSYFYFPEPSDIQSASVIATTP	186
Dd	268	YGQTATEHCYSVGDDPP-----PKVLWKKEGINPVSRARILHD-----EKSLEISNTTP	316
Qy	187	QSNGLTLTCAV--TWKSLKARKSATV---NLTVIRCPDTCGGINTPGVLSLPSLGSL	240
Dd	317	TDEGTYVCYEAHHNVGQTSARASLIVHAPNFT--KRPNKKVGLN--GVV-OLPCMASGN	371
Qy	241	PT-----WGKVGL	248
Dd	372	PPPSVFWTKEGV	383

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RESULT 14
US-08-374-834-1
; Sequence 1, Application US/08374834
; Patent No. 5656473
; GENERAL INFORMATION:
; APPLICANT: Valenzuela, et al.
; TITLE OF INVENTION: NOVEL TYROSINE KINASE RECEPTOR
; NUMBER OF SEQUENCES: 17
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Regeneron Pharmaceuticals, Inc.
; STREET: 777 Old Saw Mill River Road
; CITY: Tarrytown
; STATE: New York
; COUNTRY: USA
; ZIP: 10591

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Query Match      5.7%; Score 118; DB 1; Length 868;
Best Local Similarity 21.0%; Pred. No. 0.058;
Matches 83; Conservative 42; Mismatches 151; Indels 120; Gaps 19;

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      ||::|:-|-----KITRPPIINKEIHLKAVLPCTTMGNPKPSVWIKGDSALRE--- 163
Db    113 GALQVRKP:-|-----KITRPPIINKEIHLKAVLPCTTMGNPKPSVWIKGDSALRE--- 163

Qy    63  MEPIITNDRFTSQRYQQGGNFTSEMIHNVEPSDNGMIRCSLQNSRLHGSAYLTVQVMG 121
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164	Db	-----NSRIAVLE-----	SGSLRIHNKQEDAGQYRCVAKNSL--GTAYSKLVKLEV	208
122	QY	ELFIPSVNVLVAENEP-----	CEVTCLPSSHWTLPDISW-ELGLLVSHGSYYFVPEP	172
209	Db	EVFAIRILRAPESHNVTFGSFVTLR	CTAIGMP-----VFTSIWIENGNAVSSGSIQIENVKD	263
173	QY	SDLOSAYSILALTPQSNGTLTCVAT	-----WKSLLKARKSATVNLTVIR-----	CPDQ 219
264	Db	RVIDSRILQLFITKP--GLYTCIATNKHGEKFPSTAKAAATVSI	AEWSQKESKGYCAQY	320
220	QY	TGGGINTPGVLLSSPLSGFLP-----	TWGVKVLGLAGTMTLLTPCTCTTIRCC	267
321	Db	RGEVCDAVLVKDSLVFNTSPDP	EEAQELLIHTAWNEL-----KAVSPLCRPAAEAL	373
268	QY	CCRRRCGCN-----	CCRCRC-----FCCERKGGPRIQFOKKSEKTKNETETE	312
374	Db	LCNHLFOECGPGVLPMPICREYCLAVKELFCA	-----KEWLAMEGKTH	418
313	QY	SGNENGYSNDBQKTTDTASLP	PKSCES-----SDP	343
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Query Match 5.7%; Score 118; DB 2; Length 868;
Best Local Similarity 21.0%; Pred. No. 0.058;
Matches 83; Conservative 42; Mismatches 151; Indels 120; Gaps 19;

GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.

OM protein - protein search, using sw model

Run on: July 30, 2004, 15:02:03 ; Search time 40.4731 Seconds
(without alignments)
2991.654 Million cell updates/sec

Title: US-09-729-264-4

Perfect score: 2088

Sequence: 1 MVAGAMENRPPGSGGNEV.....HPQASFNLASPEKVSNTTVV 386

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1291235 seqs, 313682936 residues

Total number of hits satisfying chosen parameters: 1291235

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA:*

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	2000	95.8	407	15	US-10-104-047-3074
2	145.5	7.0	390	16	US-10-309-290-98
3	145.5	7.0	390	16	US-10-309-290-100
4	145.5	7.0	404	16	US-10-309-290-96
5	140	6.7	405	8	US-08-755-235-4
6	138.5	6.6	2473	14	US-10-184-644-559
7	138.5	6.6	2473	14	US-10-184-634-559
8	138	6.6	1477	14	US-10-274-583-20
9	138	6.6	1479	12	US-10-231-956A-325
10	138	6.6	1496	12	US-10-211-462-87
11	138	6.6	1496	14	US-10-021-660-125
12	138	6.6	1496	15	US-10-331-496A-28
13	138	6.6	1498	12	US-10-276-774-1957
14	138	6.6	1498	12	US-10-243-552-899
15	136	6.5	750	15	US-10-116-275-240

16	132.5	6.3	869	13	US-10-016-283-33	Sequence 33, Appl
17	132	6.3	633	14	US-10-180-410-26	Sequence 26, Appl
18	131.5	6.3	869	9	US-09-817-487A-2	Sequence 2, Appl
19	129	6.2	4675	15	US-10-093-463-74	Sequence 74, Appl
20	129	6.2	4691	15	US-10-093-463-72	Sequence 72, Appl
21	128.5	6.2	305	15	US-10-094-749-3018	Sequence 3018, Ap
22	128	6.1	592	12	US-10-312-528-2	Sequence 2, Appl
23	128	6.1	592	14	US-10-180-410-2	Sequence 12, Appl
24	128	6.1	594	12	US-10-312-528-12	Sequence 12, Appl
25	128	6.1	594	14	US-10-180-410-12	Sequence 12, Appl
26	128	6.1	708	12	US-10-206-915-584	Sequence 584, App
27	128	6.1	708	12	US-10-199-670-584	Sequence 584, App
28	128	6.1	708	12	US-10-201-858-584	Sequence 584, App
29	128	6.1	708	12	US-10-205-890-584	Sequence 584, App
30	128	6.1	708	12	US-10-208-024-584	Sequence 584, App
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37	128	6.1	708	12	US-10-176-484-584	Sequence 584, App
38	128	6.1	708	12	US-10-180-550-584	Sequence 584, App
39	128	6.1	708	12	US-10-183-014-584	Sequence 584, App
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41	128	6.1	708	12	US-10-187-740-584	Sequence 584, App
42	128	6.1	708	12	US-10-187-883-584	Sequence 584, App
43	128	6.1	708	12	US-10-194-363-584	Sequence 584, App
44	128	6.1	708	12	US-10-194-460-584	Sequence 584, App
45	128	6.1	708	12	US-10-194-463-584	Sequence 584, App

ALIGNMENTS

RESULT 1

US-10-104-047-3074
; Sequence 3074, Application US/10104047
; Publication No. US20030236392A1
; GENERAL INFORMATION:
; APPLICANT: HELIX RESEARCH INSTITUTE
; TITLE OF INVENTION: No. US20030236392A1 full length cdna
; FILE REFERENCE: H1-A0105
; CURRENT APPLICATION NUMBER: US/10/104,047
; CURRENT FILING DATE: 2002-03-25
; PRIOR APPLICATION NUMBER:
; PRIOR FILING DATE:
; NUMBER OF SEQ ID NOS: 4096
; SOFTWARE: Patent In Ver. 2.1
; SEQ ID NO 3074
; LENGTH: 407
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-104-047-3074

Query Match	95.8%;	Score	2000;	DB	15;	Length	407;
Best Local Similarity	99.2%;	Pred. No.	6.5e-164;				
Matches	371;	Conservative	1;	Mismatches	2;	Indels	0;
Gaps	0;						
Qy	13	CGSGNEVIEGPQNAVLKGSQARENCVTSGQKLIWALSDMVLSVRPMEPIITNDRF	72				
Db	34	CGSGNEVIEGPQNAVLKGSQARENCVTSGQKLIWALSDMVLSVRPMEPIITNDRF	93				
Qy	73	TSQRYDQGNFTSEMIHNHVEPDSGNIRCSLQNSRLHGSAYLTVQVMGELFIPSVNLV	132				
Db	94	TSQRYDQGNFTSEMIHNHVEPDSGNIRCSLQNSRLHGSAYLTVQVMGELFIPSVNLV	153				
Qy	133	AENEPECVTCPLPSHWTLPTDLSWELGVSHSSYFFPEPSDLQSAVSIILATPQSGNGL	192				
Db	154	AENEPECVTCPLPSHWTLPTDLSWELGVSHSSYFFPEPSDLQSAVSIILATPQSGNGL	213				
Qy	193	TCVATWKSLLKARKSATNLTIVIRCPQTGGGINTIPGVLSLPSLPGSLPTWKGVLGLGAG	252				

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; SOFTWARE: CuraSeqList version 0.1
; SEQ ID NO 98
; LENGTH: 390
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-309-290-98

Query Match      7.0%; Score 145.5; DB 16; Length 390;
Best Local Similarity 23.5%; Pred. No. 0.00068;
Matches 77; Conservative 34; Mismatches 94; Indels 123; Gaps 15;

QY 64 EPIITNDRETS-----QRYDQGNFT--SEMIHNVPSDSGNIR-----CSLQNSRLHGS 112
Db 148 KPIVNEKGVSVKEQTRRHPTGLFTLQSELM---VTPARGDPRPTFCSPGLPRHR 204
QY 113 AYLTVQVMGELFIP-----SVNLVVAENEP-----CEVTLPSHWTMLPDIS 154
Db 205 ALRTAPIQPRVMEVPLEEVQLVW---EPEGGAVAPGGTVTLTCEVPAQS-----PQIH 256
QY 155 WELGLLVSHSYFVPEPSDLSQAVSTLALTPQSGNLTLCVATWKSILKARKSATVNLTVI 211
Db 257 WMKD-----GVPLPLPPSPVLIIPETGPQDQGYSCVATHSSHGHPQESRAVSII 307
QY 215 RCPDPTGGGINIPGVLSLPSLGFSLPTGWKVGILGLAGTMLLT-----PTCTILTIRCC 267
Db 308 E-PGEEG-----PTAGSVGSGGLTALALGILGLGTAALLIGVI 347
QY 268 CRRRCOCNCRCRCFCRRKRGFRIFQFKSEKKT--NKETETESGNENSGVNSDEQ 325
Db 348 LWQRR-----QRRGEERKAPENQOEEREAELN----- 375
QY 326 KTTDTASLPFKSCSSDPQRNNSCGPP 353
Db 376 -----QSEPEAGESSTGGP 390

RESULT 3
US-10-309-290-100
; Sequence 100, Application US/10309290
; Publication No. US20040023241A1
; GENERAL INFORMATION:
; APPLICANT: Alsobrook II, John P.
; APPLICANT: Anderson, David W.
; APPLICANT: Boldog, Ferenc L.
; APPLICANT: Burgess, Catherine E.
; APPLICANT: Chillakuru, Rajeev A.
; APPLICANT: Edinger, Shlomit R.
; APPLICANT: Gerlach, Valerie L.
; APPLICANT: Gorman, Linda
; APPLICANT: Gould-Rothberg, Bonnie E.
; APPLICANT: Guo, Xiaojia
; APPLICANT: Jeffers, Michael E.
; APPLICANT: Ji, Weizhen
; APPLICANT: Li, Li
; APPLICANT: Malyankar, Uriel M.
; APPLICANT: Miller, Charles E.
; APPLICANT: Murphey, Ryan
; APPLICANT: Patturajan, Meera
; APPLICANT: Peyman, John A.
; APPLICANT: Rastelli, Luca
; APPLICANT: Rieger, Daniel K.
; APPLICANT: Shenoy, Suresh G.
; APPLICANT: Smithson, Glennnda
; APPLICANT: Starling, Gary
; APPLICANT: Taupier, Raymond J.
; APPLICANT: Voss, Edward Z.
; APPLICANT: Zhong, Haihong
; APPLICANT: Zhong, Mei
; TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME,
; FILE REFERENCE: 21402-502A
; CURRENT APPLICATION NUMBER: US/10309,290
; CURRENT FILING DATE: 2002-12-02
; PRIOR APPLICATION NUMBER: 60/336,600

214 TCVATWKSILKARKSATVNLTVIRCPDPTGGGINIPGVLSLPSLGFSLPTGWKVGILGLAG 273
253 TMLLTPTCTLTIRCCRRRCOCNCRCFCRRKRGFRIFQFKSEKKTNETETE 312
274 TMLLTPTCTLTIRCCRRRCOCNCRCFCRRKRGFRIFQFKSEKKTNETETE 333
313 SGNENSGVNSDEQKTTTASLPFKSCSSDPQRNNSCGPPHORADQRP RPASHPOASF 372
334 SGNENSGVNSDEQKTTTASLPFKSCSSDPQRNNSCGPPHORADQRP RPASHPOASF 393
373 NLASPEKVSNTTV 386
394 NLASPEKVSNTTV 407

RESULT 2
US-10-309-290-98
; Sequence 98, Application US/10309290
; Publication No. US20040023241A1
; GENERAL INFORMATION:
; APPLICANT: Alsobrook II, John P.
; APPLICANT: Anderson, David W.
; APPLICANT: Boldog, Ferenc L.
; APPLICANT: Burgess, Catherine E.
; APPLICANT: Chillakuru, Rajeev A.
; APPLICANT: Edinger, Shlomit R.
; APPLICANT: Gerlach, Valerie L.
; APPLICANT: Gorman, Linda
; APPLICANT: Gould-Rothberg, Bonnie E.
; APPLICANT: Guo, Xiaojia
; APPLICANT: Jeffers, Michael E.
; APPLICANT: Ji, Weizhen
; APPLICANT: Li, Li
; APPLICANT: Malyankar, Uriel M.
; APPLICANT: Miller, Charles E.
; APPLICANT: Murphey, Ryan
; APPLICANT: Patturajan, Meera
; APPLICANT: Peyman, John A.
; APPLICANT: Rastelli, Luca
; APPLICANT: Rieger, Daniel K.
; APPLICANT: Shenoy, Suresh G.
; APPLICANT: Smithson, Glennnda
; APPLICANT: Starling, Gary
; APPLICANT: Taupier, Raymond J.
; APPLICANT: Voss, Edward Z.
; APPLICANT: Zhong, Haihong
; APPLICANT: Zhong, Mei
; TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHOD
; FILE REFERENCE: 21402-502A
; CURRENT APPLICATION NUMBER: US/10309,290
; CURRENT FILING DATE: 2002-12-02
; PRIOR APPLICATION NUMBER: 60/336,600
; PRIOR FILING DATE: 2001-12-05
; PRIOR APPLICATION NUMBER: 60/338,285
; PRIOR FILING DATE: 2001-12-07
; PRIOR APPLICATION NUMBER: 60/341,346
; PRIOR FILING DATE: 2001-12-12
; PRIOR APPLICATION NUMBER: 60/341,477
; PRIOR FILING DATE: 2001-12-17
; PRIOR APPLICATION NUMBER: 60/341,540
; PRIOR FILING DATE: 2001-12-17
; PRIOR APPLICATION NUMBER: 60/342,592
; PRIOR FILING DATE: 2001-12-20
; PRIOR APPLICATION NUMBER: 60/344,297
; PRIOR FILING DATE: 2001-12-27
; PRIOR APPLICATION NUMBER: 60/344,903
; PRIOR FILING DATE: 2001-12-31
; PRIOR APPLICATION NUMBER: 60/373,288
; PRIOR FILING DATE: 2002-04-17
; PRIOR APPLICATION NUMBER: 60/380,981
; PRIOR FILING DATE: 2002-05-15
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 274

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; PRIOR FILING DATE: 2001-12-05
; PRIOR APPLICATION NUMBER: 60/338,285
; PRIOR FILING DATE: 2001-12-07
; PRIOR APPLICATION NUMBER: 60/341,346
; PRIOR FILING DATE: 2001-12-12
; PRIOR APPLICATION NUMBER: 60/341,477
; PRIOR FILING DATE: 2001-12-17
; PRIOR APPLICATION NUMBER: 60/341,540
; PRIOR FILING DATE: 2001-12-17
; PRIOR APPLICATION NUMBER: 60/342,592
; PRIOR FILING DATE: 2001-12-20
; PRIOR APPLICATION NUMBER: 60/344,297
; PRIOR FILING DATE: 2001-12-27
; PRIOR APPLICATION NUMBER: 60/344,903
; PRIOR FILING DATE: 2001-12-31
; PRIOR APPLICATION NUMBER: 60/373,288
; PRIOR FILING DATE: 2002-04-17
; PRIOR APPLICATION NUMBER: 60/380,981
; PRIOR FILING DATE: 2002-05-15
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 274
; SOFTWARE: Curaseqlist version 0.1
; SEQ ID NO 100
; LENGTH: 390
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-309-290-100

Query Match
Best Local Similarity 7.0%; Score 145.5; DB 16; Length 390;
Matches 77; Conservative 34; Mismatches 94; Indels 123; Gaps 15;

QY 64 EPIITNDRTS-----QRVDQGNFT--SEMIHNVPSDSGNIR-----CSLQNSRLHGS 112
Db 148 KLVVNEKGVSVKEQTRRHPTGLFTLOSELM---VTPARGGDPRTFSCSPGLPRHR 204
QY 113 AYLTVQVMGELFIP-----SVNLVVAENEP-----CEVTCPLPSHWTLPDLS 154
Db 205 ALRTAPIQPRVWEPVPLEEVQLV---EPEGGA VAGGVITLTCEVPAQPS-----PQIH 256
QY 155 WELGLLVSHSYFVPEPSDLOSASVILALTPQSNGLTCTCATWKSARKSATVNLTVI 214
Db 257 WMKD-----GVPELPPSPVLILPEIGPDQGTYSVATHSHSGPQESRAVSISII 307
QY 215 RCPQDTGGGINIPGVLSLPSLGFSLPTWCKVGLGLACTMLLT-----PTCTLTIRCC 267
Db 308 E-PGEEG-----PTAGSVGGSLGTALALGLTGLGLTAALLIGVI 347
QY 268 CRRRCGCCGCCRCFCRRKRGFRIOFKKSEKEKT--NKETETESGNSGNSDEQ 325
Db 348 LWQRR-----QRGEERKAPENQEEEEERAEIN----- 375
QY 326 KTTDTASLPKCESDDPQRNSSCGPP 353
Db 376 -----QSEPEPAGESSTGPP 390
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RESULT 4

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US-10-309-290-96
; Sequence 96, Application US/10309290
; Publication No. US20040023241A1
; GENERAL INFORMATION:
; APPLICANT: Alsobrook II, John P.
; APPLICANT: Anderson, David W.
; APPLICANT: Boldog, Ferenc L.
; APPLICANT: Burgess, Catherine E.
; APPLICANT: Chilikuru, Rajeev A.
; APPLICANT: Edinger, Shlomit R.
; APPLICANT: Gerlach, Valerie L.
; APPLICANT: Gorman, Linda
; APPLICANT: Gould-Rothberg, Bonnie E.
; APPLICANT: Guo, Xiaojia
; APPLICANT: Jeffers, Michael E.
```

```
; APPLICANT: Ji, Weizhen
; APPLICANT: Li, Li
; APPLICANT: Malyankar, Uriel M.
; APPLICANT: Miller, Charles E.
; APPLICANT: Murphey, Ryan
; APPLICANT: Patturajan, Meera
; APPLICANT: Peyman, John A.
; APPLICANT: Rastelli, Luca
; APPLICANT: Rieger, Daniel K.
; APPLICANT: Shenoy, Suresh G.
; APPLICANT: Smithson, Glenna
; APPLICANT: Starling, Gary
; APPLICANT: Taupier, Raymond J.
; APPLICANT: Voss, Edward Z.
; APPLICANT: Zhong, Haihong
; APPLICANT: Zhong, Mei
; TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHOD
; FILE REFERENCE: 21402-502A
; CURRENT APPLICATION NUMBER: US/10/309,290
; CURRENT FILING DATE: 2002-12-02
; PRIOR APPLICATION NUMBER: 60/336,600
; PRIOR FILING DATE: 2001-12-05
; PRIOR APPLICATION NUMBER: 60/338,285
; PRIOR FILING DATE: 2001-12-07
; PRIOR APPLICATION NUMBER: 60/341,346
; PRIOR FILING DATE: 2001-12-12
; PRIOR APPLICATION NUMBER: 60/341,477
; PRIOR FILING DATE: 2001-12-17
; PRIOR APPLICATION NUMBER: 60/341,540
; PRIOR FILING DATE: 2001-12-17
; PRIOR APPLICATION NUMBER: 60/342,592
; PRIOR FILING DATE: 2001-12-20
; PRIOR APPLICATION NUMBER: 60/344,297
; PRIOR FILING DATE: 2001-12-27
; PRIOR APPLICATION NUMBER: 60/344,903
; PRIOR FILING DATE: 2001-12-31
; PRIOR APPLICATION NUMBER: 60/373,288
; PRIOR FILING DATE: 2002-04-17
; PRIOR APPLICATION NUMBER: 60/380,981
; PRIOR FILING DATE: 2002-05-15
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 274
; SOFTWARE: Curaseqlist version 0.1
; SEQ ID NO 96
; LENGTH: 404
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-309-290-96
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Query Match
Best Local Similarity 7.0%; Score 145.5; DB 16; Length 404;
Matches 77; Conservative 34; Mismatches 94; Indels 123; Gaps 15;

QY 64 EPIITNDRTS-----QRVDQGNFT--SEMIHNVPSDSGNIR-----CSLQNSRLHGS 112
Db 162 KLVVNEKGVSVKEQTRRHPTGLFTLOSELM---VTPARGGDPRTFSCSPGLPRHR 218
QY 113 AYLTVQVMGELFIP-----SVNLVVAENEP-----CEVTCPLPSHWTLPDLS 154
Db 219 ALRTAPIQPRVWEPVPLEEVQLV---EPEGGA VAGGVITLTCEVPAQPS-----PQIH 270
QY 155 WELGLLVSHSYFVPEPSDLOSASVILALTPQSNGLTCTCATWKSARKSATVNLTVI 214
Db 271 WMKD-----GVPELPPSPVLILPEIGPDQGTYSVATHSHSGPQESRAVSISII 321
QY 215 RCPQDTGGGINIPGVLSLPSLGFSLPTWCKVGLGLACTMLLT-----PTCTLTIRCC 267
Db 322 E-PGEEG-----PTAGSVGGSLGTALALGLTGLGLTAALLIGVI 361
QY 268 CRRRCGCCGCCRCFCRRKRGFRIOFKKSEKEKT--NKETETESGNSGNSDEQ 325
Db 362 LWQRR-----QRGEERKAPENQEEEEERAEIN----- 389
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Fri Aug 6 08:39:26 2004

us-09-729-264-4.rapb

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QY 326 KTTDTASLPPKSCSSDPQRMSSCGPP 353
Db 390 -----QSEPEAGESSTGGP 404

RESULT 5
US-08-755-235-4
; Sequence 4, Application US/08755235
; Publication No. US20030059423A1
; GENERAL INFORMATION:
; APPLICANT: Stern, David M.
; APPLICANT: Schmidt, Ann Marie
; APPLICANT: Wu, Jun
; TITLE OF INVENTION: METHOD FOR TREATING SYMPTOMS OF DIABETES
; FILE REFERENCE: 0575/50159
; CURRENT APPLICATION NUMBER: US/08/755,235
; CURRENT FILING DATE: 1996-11-22
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 4
; LENGTH: 405
; TYPE: PRT
; ORGANISM: Human
US-08-755-235-4

Query Match 6.7%; Score 140; DB 8; Length 405;
Best Local Similarity 23.7%; Pred. No. 0.0021;
Matches 78; Conservative 34; Mismatches 93; Indels 124; Gaps 16;

QY 64 EPIITDRETS-----QRYDQGNFT--SEMIHNVFSPDSGNIR-----CSLQNSRLHGS 112
Db 162 KPLVPNEKGVSKQTRHPETGLFTLQSELM---VTPARGDPRPTFSCFSPLPRHR 218
QY 113 AYLTVQVMGELFIP-----SVNLVVAENEP-----CEVCLPSHWTWLPDIS 154
Db 219 ALRTAPIQPRWEPVPLEVQLV---EPEGGAVAPGTVTLTCEVPAQPS-----PQIH 270
QY 155 WELGLLVSHSSYYFVPBPSDLSQASVILALTPQSNGLTTCVATWKSILKARKS-ATVNLTV 213
Db 271 WMKD-----GVPLPLPSPVILPEIGPQOQGYSCVATHSHGQPQSRVAVSISI 321
QY 214 IRCPDQDTGGGINIPGVLSLPSLGFSLPTWGVGLGLAGTMLLT-----PTCTLTIRC 266
Db 322 IE-PGEEG-----PTAGSVGSGGLTALALGILGLGTAALLIGV 361
QY 267 CCRRRCGCGNCCRCFCRRKRGFRIOFKKSEKKT--NKETETESGNENSGYNSDE 324
Db 362 ILWQRR-----QRRGERKAPENQEEERABLN----- 390
QY 325 QKTTDTASLPPKSCSSDPQRMSSCGPP 353
Db 391 -----QSEPEAGESSTGGP 405

RESULT 6
US-10-184-644-559
; Sequence 559, Application US/10184644
; Publication No. US20030044930A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Goddard, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C227

QY 326 KTTDTASLPPKSCSSDPQRMSSCGPP 353
Db 390 -----QSEPEAGESSTGGP 404

Query Match 6.6%; Score 138.5; DB 14; Length 2473;
Best Local Similarity 29.5%; Pred. No. 0.032;
Matches 31; Conservative 3; Mismatches 36; Indels 35; Gaps 2;

QY 183 ALTPQSNGLTTCVATWKSILKARKSATVNLTVIRCPQDTGGGINIPGVLSLPSLGFSLPT 242
Db 2274 AATGAAGTTTCAATTAATAATTAATATGTTTC----- 2307
QY 243 WGVKVLGLAGTMLLTPTCTLTIRCCCR-RRCGCGNCCRCFCFC 286
Db 2308 -----ATTCTCATCGCCACCCACCCCGCCGCCACCACC 2344

RESULT 7
US-10-184-634-559
; Sequence 559, Application US/10184634
; Publication No. US2003006864A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Goddard, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C217
; CURRENT APPLICATION NUMBER: US/10/184,634
; CURRENT FILING DATE: 2002-06-28
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 559
; LENGTH: 2473
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-184-634-559

Query Match 6.6%; Score 138.5; DB 14; Length 2473;
Best Local Similarity 29.5%; Pred. No. 0.032;
Matches 31; Conservative 3; Mismatches 36; Indels 35; Gaps 2;

QY 183 ALTPQSNGLTTCVATWKSILKARKSATVNLTVIRCPQDTGGGINIPGVLSLPSLGFSLPT 242
Db 2274 AATGAAGTTTCAATTAATAATTAATATGTTTC----- 2307
QY 243 WGVKVLGLAGTMLLTPTCTLTIRCCCR-RRCGCGNCCRCFCFC 286
Db 2308 -----ATTCTCATCGCCACCCACCCCGCCGCCACCACC 2344

RESULT 8
US-10-274-583-20
; Sequence 20, Application US/10274583
; Publication No. US20030138431A1
; GENERAL INFORMATION:
; APPLICANT: Exelixis, Inc.
; TITLE OF INVENTION: LRRCAPS AS MODIFIERS OF THE p53 PATHWAY AND METHODS OF USE
; FILE REFERENCE: EX02-119C
```

```
; CURRENT APPLICATION NUMBER: US/10/274,583
; CURRENT FILING DATE: 2002-10-21
; PRIOR APPLICATION NUMBER: 60/338,733
; PRIOR FILING DATE: 2001-10-22
; PRIOR APPLICATION NUMBER: 60/357,600
; PRIOR FILING DATE: 2002-02-15
; PRIOR APPLICATION NUMBER: 60/361,196
; PRIOR FILING DATE: 2002-03-01
; NUMBER OF SEQ ID NOS: 24
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 20
; LENGTH: 1477
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-274-583-20

Query Match
Best Local Similarity 25.1%; Score 138; DB 14; Length 1477;
Matches 78; Conservative 38; Mismatches 127; Indels 68; Gaps 17;

QY 2 VAGAMENRDP-----GSGSGNEVIEGPONARVLKGSQARFNCTVS--QGWKLIMWALSDMV 56
Db 322 VAGEVKTQEVTLRYFGSPARPTFVIQPNTEVLVGESVTLCSATGHPPPRISWTRGDRT 381
QY 57 VLSVRPMEPIITNDRFTSQRYDQGNFTSEMIHNHVEPDSGNIRCSLQNS--RLHGSAY 114
Db 382 PLPVDPRVNITPS-----GG-----LYIQNVVQSGSEYACSATNNIDSVHATAF 426
QY 115 LTVOVMGELFIPSNLVVAENE-----PCEVTCLPSHWTWLPDISW-ELGLLVSHSSYYFV 169
Db 427 IIVQALPQFTVTPQDRVIVIEGQTVDFQCEAKGNPP-----PVIATWKGSGLSVDRRLHV 481
QY 170 PEPSDLOSASVILALTPQSNGLTLCVATWKSLSKARKSATVNLTV-----IRCPQDT- 220
Db 482 LSSGTLR--ISGVALHDO--QGYEQAV--NIIGSQKVVAHLTVQPRVTPVFASIPSDTT 535
QY 265 RCCCRRRCGG 275
Db 591 RYECVARNTIG 601

Query Match
Best Local Similarity 25.1%; Score 138; DB 14; Length 1477;
Matches 78; Conservative 38; Mismatches 127; Indels 68; Gaps 17;

QY 2 VAGAMENRDP-----GSGSGNEVIEGPONARVLKGSQARFNCTVS--QGWKLIMWALSDMV 56
Db 322 VAGEVKTQEVTLRYFGSPARPTFVIQPNTEVLVGESVTLCSATGHPPPRISWTRGDRT 381
QY 57 VLSVRPMEPIITNDRFTSQRYDQGNFTSEMIHNHVEPDSGNIRCSLQNS--RLHGSAY 114
Db 382 PLPVDPRVNITPS-----GG-----LYIQNVVQSGSEYACSATNNIDSVHATAF 426
QY 115 LTVOVMGELFIPSNLVVAENE-----PCEVTCLPSHWTWLPDISW-ELGLLVSHSSYYFV 169
Db 427 IIVQALPQFTVTPQDRVIVIEGQTVDFQCEAKGNPP-----PVIATWKGSGLSVDRRLHV 481
QY 170 PEPSDLOSASVILALTPQSNGLTLCVATWKSLSKARKSATVNLTV-----IRCPQDT- 220
Db 482 LSSGTLR--ISGVALHDO--QGYEQAV--NIIGSQKVVAHLTVQPRVTPVFASIPSDTT 535
QY 265 RCCCRRRCGG 275
Db 591 RYECVARNTIG 601

Query Match
Best Local Similarity 25.1%; Score 138; DB 12; Length 1496;
Matches 78; Conservative 38; Mismatches 127; Indels 68; Gaps 17;

QY 2 VAGAMENRDP-----GSGSGNEVIEGPONARVLKGSQARFNCTVS--QGWKLIMWALSDMV 56
Db 322 VAGEVKTQEVTLRYFGSPARPTFVIQPNTEVLVGESVTLCSATGHPPPRISWTRGDRT 398
QY 57 VLSVRPMEPIITNDRFTSQRYDQGNFTSEMIHNHVEPDSGNIRCSLQNS--RLHGSAY 114
Db 399 PLPVDPRVNITPS-----GG-----LYIQNVVQSGSEYACSATNNIDSVHATAF 443
QY 115 LTVOVMGELFIPSNLVVAENE-----PCEVTCLPSHWTWLPDISW-ELGLLVSHSSYYFV 169
Db 444 IIVQALPQFTVTPQDRVIVIEGQTVDFQCEAKGNPP-----PVIATWKGSGLSVDRRLHV 498
QY 170 PEPSDLOSASVILALTPQSNGLTLCVATWKSLSKARKSATVNLTV-----IRCPQDT- 220
Db 499 LSSGTLR--ISGVALHDO--QGYEQAV--NIIGSQKVVAHLTVQPRVTPVFASIPSDTT 552

RESULT 9
US-10-231-956A-325
; Sequence 325, Application US/10231956A
; Publication No. US20040053233A1
; GENERAL INFORMATION:
; APPLICANT: Lorens, James B.
; APPLICANT: Bogenberger, Jakob
; APPLICANT: Xu, Weiduan
; APPLICANT: Holland, Sacha
; APPLICANT: Rigel Pharmaceuticals, Incorporated
; TITLE OF INVENTION: Modulators of Angiogenesis
; FILE REFERENCE: 021044-004100US
; CURRENT APPLICATION NUMBER: US/10/231,956A
; CURRENT FILING DATE: 2001-08-30
; NUMBER OF SEQ ID NOS: 522
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 325
; LENGTH: 1479
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-231-956A-325

Query Match
Best Local Similarity 25.1%; Score 138; DB 12; Length 1479;
Matches 78; Conservative 38; Mismatches 127; Indels 68; Gaps 17;

QY 2 VAGAMENRDP-----GSGSGNEVIEGPONARVLKGSQARFNCTVS--QGWKLIMWALSDMV 56
Db 322 VAGEVKTQEVTLRYFGSPARPTFVIQPNTEVLVGESVTLCSATGHPPPRISWTRGDRT 381
QY 57 VLSVRPMEPIITNDRFTSQRYDQGNFTSEMIHNHVEPDSGNIRCSLQNS--RLHGSAY 114
Db 382 PLPVDPRVNITPS-----GG-----LYIQNVVQSGSEYACSATNNIDSVHATAF 426
QY 115 LTVOVMGELFIPSNLVVAENE-----PCEVTCLPSHWTWLPDISW-ELGLLVSHSSYYFV 169
Db 427 IIVQALPQFTVTPQDRVIVIEGQTVDFQCEAKGNPP-----PVIATWKGSGLSVDRRLHV 481
QY 170 PEPSDLOSASVILALTPQSNGLTLCVATWKSLSKARKSATVNLTV-----IRCPQDT- 220
Db 482 LSSGTLR--ISGVALHDO--QGYEQAV--NIIGSQKVVAHLTVQPRVTPVFASIPSDTT 535
QY 265 RCCCRRRCGG 275
Db 591 RYECVARNTIG 601

RESULT 10
US-10-211-462-87
; Sequence 87, Application US/10211462
; Publication No. US20040033495A1
; GENERAL INFORMATION:
; APPLICANT: Murray, Richard
; APPLICANT: Glynn, Richard
; APPLICANT: Watson, Susan R.
; APPLICANT: Aziz, Natasha
; APPLICANT: Eos Biotechnology, Inc.
; TITLE OF INVENTION: Methods of Diagnosis of Angiogenesis, Compositions and
; FILE REFERENCE: 018501-006200US
; CURRENT APPLICATION NUMBER: US/10/211,462
; CURRENT FILING DATE: 2003-02-13
; PRIOR APPLICATION NUMBER: US 09/784,356
; PRIOR FILING DATE: 2001-02-14
; PRIOR APPLICATION NUMBER: US 09/791,390
; PRIOR FILING DATE: 2001-02-22
; PRIOR APPLICATION NUMBER: US 60/310,025
; PRIOR FILING DATE: 2001-08-03
; PRIOR APPLICATION NUMBER: US 60/334,244
; PRIOR FILING DATE: 2001-11-29
; NUMBER OF SEQ ID NOS: 230
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 87
; LENGTH: 1496
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-211-462-87

Query Match
Best Local Similarity 25.1%; Score 138; DB 12; Length 1496;
Matches 78; Conservative 38; Mismatches 127; Indels 68; Gaps 17;

QY 2 VAGAMENRDP-----GSGSGNEVIEGPONARVLKGSQARFNCTVS--QGWKLIMWALSDMV 56
Db 322 VAGEVKTQEVTLRYFGSPARPTFVIQPNTEVLVGESVTLCSATGHPPPRISWTRGDRT 398
QY 57 VLSVRPMEPIITNDRFTSQRYDQGNFTSEMIHNHVEPDSGNIRCSLQNS--RLHGSAY 114
Db 399 PLPVDPRVNITPS-----GG-----LYIQNVVQSGSEYACSATNNIDSVHATAF 443
QY 115 LTVOVMGELFIPSNLVVAENE-----PCEVTCLPSHWTWLPDISW-ELGLLVSHSSYYFV 169
Db 444 IIVQALPQFTVTPQDRVIVIEGQTVDFQCEAKGNPP-----PVIATWKGSGLSVDRRLHV 498
QY 170 PEPSDLOSASVILALTPQSNGLTLCVATWKSLSKARKSATVNLTV-----IRCPQDT- 220
Db 499 LSSGTLR--ISGVALHDO--QGYEQAV--NIIGSQKVVAHLTVQPRVTPVFASIPSDTT 552
```

Fri Aug 6 08:39:26 2004

APPLICANT: PHILLIPS, HEIDI S.
 APPLICANT: POLAKIS, PAUL
 APPLICANT: SMITH, VICTORIA
 APPLICANT: SPENCER, SUSAN D.
 APPLICANT: WILLIAMS, P. MICKEY
 APPLICANT: WU, THOMAS D.
 APPLICANT: ZHANG, ZEMIN
 TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE DIAGNOSIS AND
 TITLE OF INVENTION: TREATMENT OF TUMOR
 FILE REFERENCE: P5014R1-PCT
 CURRENT APPLICATION NUMBER: US/10/331,496A
 CURRENT FILING DATE: 2002-12-30
 PRIOR APPLICATION NUMBER: US 60/345,444
 PRIOR FILING DATE: 2002-01-02
 PRIOR APPLICATION NUMBER: US 60/351,885
 PRIOR FILING DATE: 2002-01-25
 PRIOR APPLICATION NUMBER: US 60/360,066
 PRIOR FILING DATE: 2002-02-25
 PRIOR APPLICATION NUMBER: US 60/362,004
 PRIOR FILING DATE: 2002-03-05
 PRIOR APPLICATION NUMBER: US 60/366,869
 PRIOR FILING DATE: 2002-03-20
 PRIOR APPLICATION NUMBER: US 60/366,284
 PRIOR FILING DATE: 2002-03-21
 PRIOR APPLICATION NUMBER: US 60/368,679
 PRIOR FILING DATE: 2002-03-28
 PRIOR APPLICATION NUMBER: US 60/404,809
 PRIOR FILING DATE: 2002-08-19
 PRIOR APPLICATION NUMBER: US 60/405,645
 PRIOR FILING DATE: 2002-08-21
 NUMBER OF SEQ ID NOS: 95
 SEQ ID NO 28
 LENGTH: 1496
 TYPE: PRT
 ORGANISM: Homo sapien
 US-10-331-496A-28

Query Match 6.6%; Score 138; DB 15; Length 1496;
 Best Local Similarity 25.1%; Pred. No. 0.018;
 Matches 78; Conservative 38; Mismatches 127; Indels 68; Gaps 17;

QY 2 VAGAMENRDPDP-----GSGSGNEVIEGPNARVLKGSQARFNCTVS-QGWKLIMWALSMDV 56
 DB 339 VAGEVKTOEVLIRVFGSPARTFVLPQNTVEVLGSEVTLCSATGHPPRISWTRGDR 398
 QY 57 VLSVRPMEPIITNDRFTSQRYDQGNFTSEMIHNVPSDSGNIRCSLONS--RLHGSAY 114
 DB 399 PLPVDPRVNIIPS-----GG-----LVIONVQDGSGEYACSATNNIDSVHATAF 443
 QY 115 LTVQVMGELFIPSNVLVAENE-----PCEVTCLPSHTWLPDISW-ELGLLVSHSSYFV 169
 DB 444 IIVQALPQFTVTPQDRVIEGQTVDFQCEAKGNPP-----PVIATWKGSGLSVDRRHLY 498
 QY 170 PEPSDQSAVSLTALTPQSNGLTLCVATWKSLSKARKSATVNLTV-----IRCPQDT- 220
 DB 499 LSSGTLR--ISGVALHDQ--GQYEQAV--NIIGSKVVAHLTVQPRVTFVFPASIPSDTT 552
 QY 221 ---GGGINIPGVLSLPSLGFSLP--TWGKVLGL--ACTMLLTPTCTITI----- 264
 DB 553 VEVGANVQLP-----CSSQGEPEPAITWKNKGQVQTESGKFIHSPGFLTINDVGPADAG 607
 QY 265 RCCCRRRCGG 275
 DB 608 RYECVARNTIG 618

RESULT 13
 US-10-276-774-1957
 ; Sequence 1957, Application US/10276774
 ; Publication No. US20040053245A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Hyseq, Inc.
 ; APPLICANT: Tang, Y, Tom et al

APPLICANT: PHILLIPS, HEIDI S.
 APPLICANT: POLAKIS, PAUL
 APPLICANT: SMITH, VICTORIA
 APPLICANT: SPENCER, SUSAN D.
 APPLICANT: WILLIAMS, P. MICKEY
 APPLICANT: WU, THOMAS D.
 APPLICANT: ZHANG, ZEMIN
 TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE DIAGNOSIS AND
 TITLE OF INVENTION: TREATMENT OF TUMOR
 FILE REFERENCE: P5014R1-PCT
 CURRENT APPLICATION NUMBER: US/10/331,496A
 CURRENT FILING DATE: 2002-12-30
 PRIOR APPLICATION NUMBER: US 60/345,444
 PRIOR FILING DATE: 2002-01-02
 PRIOR APPLICATION NUMBER: US 60/351,885
 PRIOR FILING DATE: 2002-01-25
 PRIOR APPLICATION NUMBER: US 60/360,066
 PRIOR FILING DATE: 2002-02-25
 PRIOR APPLICATION NUMBER: US 60/362,004
 PRIOR FILING DATE: 2002-03-05
 PRIOR APPLICATION NUMBER: US 60/366,869
 PRIOR FILING DATE: 2002-03-20
 PRIOR APPLICATION NUMBER: US 60/366,284
 PRIOR FILING DATE: 2002-03-21
 PRIOR APPLICATION NUMBER: US 60/368,679
 PRIOR FILING DATE: 2002-03-28
 PRIOR APPLICATION NUMBER: US 60/404,809
 PRIOR FILING DATE: 2002-08-19
 PRIOR APPLICATION NUMBER: US 60/405,645
 PRIOR FILING DATE: 2002-08-21
 NUMBER OF SEQ ID NOS: 95
 SEQ ID NO 28
 LENGTH: 1496
 TYPE: PRT
 ORGANISM: Homo sapien
 US-10-331-496A-28

Query Match 6.6%; Score 138; DB 14; Length 1496;
 Best Local Similarity 25.1%; Pred. No. 0.018;
 Matches 78; Conservative 38; Mismatches 127; Indels 68; Gaps 17;

QY 2 VAGAMENRDPDP-----GSGSGNEVIEGPNARVLKGSQARFNCTVS-QGWKLIMWALSMDV 56
 DB 339 VAGEVKTOEVLIRVFGSPARTFVLPQNTVEVLGSEVTLCSATGHPPRISWTRGDR 398
 QY 57 VLSVRPMEPIITNDRFTSQRYDQGNFTSEMIHNVPSDSGNIRCSLONS--RLHGSAY 114
 DB 399 PLPVDPRVNIIPS-----GG-----LVIONVQDGSGEYACSATNNIDSVHATAF 443
 QY 115 LTVQVMGELFIPSNVLVAENE-----PCEVTCLPSHTWLPDISW-ELGLLVSHSSYFV 169
 DB 444 IIVQALPQFTVTPQDRVIEGQTVDFQCEAKGNPP-----PVIATWKGSGLSVDRRHLY 498
 QY 170 PEPSDQSAVSLTALTPQSNGLTLCVATWKSLSKARKSATVNLTV-----IRCPQDT- 220
 DB 499 LSSGTLR--ISGVALHDQ--GQYEQAV--NIIGSKVVAHLTVQPRVTFVFPASIPSDTT 552
 QY 221 ---GGGINIPGVLSLPSLGFSLP--TWGKVLGL--ACTMLLTPTCTITI----- 264
 DB 553 VEVGANVQLP-----CSSQGEPEPAITWKNKGQVQTESGKFIHSPGFLTINDVGPADAG 607
 QY 265 RCCCRRRCGG 275
 DB 608 RYECVARNTIG 618

RESULT 12
 US-10-331-496A-28
 ; Sequence 28, Application US/10331496A
 ; Publication No. US20030228305A1
 ; GENERAL INFORMATION:
 ; APPLICANT: FRANTZ, GRETCHEN
 ; APPLICANT: HILLAN, KENNETH J.

; TITLE OF INVENTION: NO. US20040053245A1el Nucleic Acids and Polypeptides
; FILE REFERENCE: 21272-030
; CURRENT APPLICATION NUMBER: US/10/276,774
; CURRENT FILING DATE: 2002-11-18
; PRIOR APPLICATION NUMBER: 09/560,875
; PRIOR FILING DATE: 2000-04-27
; PRIOR APPLICATION NUMBER: 09/496,914
; PRIOR FILING DATE: 2000-02-03
; NUMBER OF SEQ ID NOS: 2700
; SOFTWARE: Custom
; SEQ ID NO 1957
; LENGTH: 1498
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-276-774-1957

Query Match 6.6%; Score 138; DB 12; Length 1498;
Best Local Similarity 25.1%; Pred. No. 0.018;
Matches 78; Conservative 38; Mismatches 127; Indels 68; Gaps 17;
QY 2 VAGAMENRDP-----GSGSGNEVIEGPNARVLKGSQARFNCTVS--QGWKLIMWALSDMV 56
Db 339 VAGEVKTQEVTLRYFGSPARPTFVIQONTVLVGSVTLTLECSATGHPPPRISWTRGDR 398
QY 57 VLSVRPMEPIITNDRFTSORYDQGNFTSEMIHNVEPDSGNIRCSLQNS--RLHGSAY 114
Db 399 PLPVDPRVNITPS-----GG-----LYIQNVVQSGDGEVACSAATNNIDSVHATAF 443
QY 115 LTQVMGELFIPSNVLVAENE-----PCEVTCLPSSHWTWLPDISW--ELGLLVSHSSYFV 169
Db 444 IIVQALPQFTVTQDRVVIEGQTVDFQCEAKGNPP-----PVIATKGGSQLSVDRRHV 498
QY 170 PEPSDQSASVIALTPQSNGLTLCVATWKSARKSATVNLTV-----IRCPQDT- 220
Db 499 LSSGTLR--ISGVALHDQ--GQVECAV--NIIGSQKVAHLTVQPRVTFVFASIPSDTT 552
QY 221 ---GGGINIPGVLSLPSLGFSLP--TWGKVLGL--AGTMLLTPTCTLT----- 264
Db 553 VEYGANVQLP-----CSSQGEPEPAITWKNQGVQVTEGKHFHISPEGFLTINDVGPADAG 607
QY 265 RCCCCRRRCG 275
Db 608 RYECVARNTIG 618

RESULT 14
US-10-243-552-899
; Sequence 899, Application US/10243552
; Publication No. US20030224379A1
; GENERAL INFORMATION:
; APPLICANT: Tang, Y. Tom
; APPLICANT: Yang, Yonghong
; APPLICANT: Wang, Zhiwei
; APPLICANT: Weng, Gezhi
; APPLICANT: Ma, Yundong
; TITLE OF INVENTION: Novel Nucleic Acids and
; Polypeptides
; FILE REFERENCE: 807A
; CURRENT APPLICATION NUMBER: US/10/243,552
; CURRENT FILING DATE: 2002-09-12
; PRIOR APPLICATION NUMBER: US 60/322,511
; PRIOR FILING DATE: 2001-09-13
; PRIOR APPLICATION NUMBER: PCT/US00/35017
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: US 09/488,725
; PRIOR FILING DATE: 2000-01-21
; PRIOR APPLICATION NUMBER: US 09/552,317
; PRIOR FILING DATE: 2000-04-25
; PRIOR APPLICATION NUMBER: PCT/US01/02623
; PRIOR FILING DATE: 2001-01-25
; PRIOR APPLICATION NUMBER: US 09/491,404
; PRIOR FILING DATE: 2000-01-25
; PRIOR APPLICATION NUMBER: PCT/US01/03800

; PRIOR FILING DATE: 2001-02-05
; PRIOR APPLICATION NUMBER: US 09/496,914
; PRIOR FILING DATE: 2000-02-03
; PRIOR APPLICATION NUMBER: US 09/560,875
; PRIOR FILING DATE: 2000-04-27
; PRIOR APPLICATION NUMBER: PCT/US01/04927
; PRIOR FILING DATE: 2001-02-26
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 998
; SOFTWARE: pt_FL_genes Version 5.0
; SEQ ID NO 899
; LENGTH: 1498
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-243-552-899

Query Match 6.6%; Score 138; DB 12; Length 1498;
Best Local Similarity 25.1%; Pred. No. 0.018;
Matches 78; Conservative 38; Mismatches 127; Indels 68; Gaps 17;
QY 2 VAGAMENRDP-----GSGSGNEVIEGPNARVLKGSQARFNCTVS--QGWKLIMWALSDMV 56
Db 339 VAGEVKTQEVTLRYFGSPARPTFVIQONTVLVGSVTLTLECSATGHPPPRISWTRGDR 398
QY 57 VLSVRPMEPIITNDRFTSORYDQGNFTSEMIHNVEPDSGNIRCSLQNS--RLHGSAY 114
Db 399 PLPVDPRVNITPS-----GG-----LYIQNVVQSGDGEVACSAATNNIDSVHATAF 443
QY 115 LTQVMGELFIPSNVLVAENE-----PCEVTCLPSSHWTWLPDISW--ELGLLVSHSSYFV 169
Db 444 IIVQALPQFTVTQDRVVIEGQTVDFQCEAKGNPP-----PVIATKGGSQLSVDRRHV 498
QY 170 PEPSDQSASVIALTPQSNGLTLCVATWKSARKSATVNLTV-----IRCPQDT- 220
Db 499 LSSGTLR--ISGVALHDQ--GQVECAV--NIIGSQKVAHLTVQPRVTFVFASIPSDTT 552
QY 221 ---GGGINIPGVLSLPSLGFSLP--TWGKVLGL--AGTMLLTPTCTLT----- 264
Db 553 VEYGANVQLP-----CSSQGEPEPAITWKNQGVQVTEGKHFHISPEGFLTINDVGPADAG 607
QY 265 RCCCCRRRCG 275
Db 608 RYECVARNTIG 618

RESULT 15
US-10-116-275-240
; Sequence 240, Application US/10116275
; Publication No. US20030211476A1
; GENERAL INFORMATION:
; APPLICANT: Eian Pharmaceutical Technology
; APPLICANT: O'Mahony, Daniel J.
; APPLICANT: Brayden, David
; APPLICANT: Byrne, Daragh
; APPLICANT: Lambkin, Imelda
; APPLICANT: Higgins, Lisa
; TITLE OF INVENTION: Genetic Analysis of Peyer's Patches and M Cells and Methods and
; Compositions Targeting Peyer's Patches and M Cell Receptors
; FILE REFERENCE: E1067/20087
; CURRENT APPLICATION NUMBER: US/10/116,275
; CURRENT FILING DATE: 2002-10-04
; NUMBER OF SEQ ID NOS: 349
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 240
; LENGTH: 750
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-116-275-240

Query Match 6.5%; Score 136; DB 15; Length 750;
Best Local Similarity 25.1%; Pred. No. 0.011;
Matches 62; Conservative 34; Mismatches 101; Indels 50; Gaps 10;

Fri Aug 6 08:39:26 2004

	9	RDPGSGSNEV-----I-EQPQARVLKGSQRFNCTVSQGW--KLIMW	50
Qy			
Ddb	215	RNPASRTGNAEVRILSDPLGRQLRYFLORSPNVVAIEKDAYLECCVS-GYPPPSFTW	273
Qy	51	ALSDMTVLVSRPEPIITNDRFYSORYDQGNFTSEMIHHNVEPDSGNIRC--SLQNSR	108
Ddb	274	LARGEVI-----QLRSKYSLGG--SNLLISNVTDGSMYTCVVTYKNEN	318
Qy	109	LHGSAYLTVQMGEFLFIPSVNLVVAENEPCEVTCLPSHTWTLPDISW-ELGLINSHSY	167
Ddb	319	ISASAELTLVPWFNLHPFLNHSNLAYESMDIEFFECTVSGKP-VPTVMNMKGDDVWPISDYF	377
Qy	168	FVPEPDLOSASVILATLPQSNGLTLCVATWKSLKARKSAVNLTIVRCPODTGGGINIP	227
Ddb	378	QIVGGGNLR---ILGVVKDEGFYCVAENEAGNAQTSAQLIVPKPAIPSS-----	426
Qy	228	GVLSSLUP	234
Ddb	427	-VLPSAP	432

Search completed: July 30, 2004, 15:15:39
Job time : 41.4731 secs

Result No.	Score	Query			DB	ID	Description
		Match	Length				
C 1	51.8	4.2	397	3	US-09-253-691-3	Sequence 3, Appli	
C 2	48.2	3.9	325	2	US-08-531-927B-3	Sequence 3, Appli	
C 3	47.6	3.8	2733	4	US-08-997-685A-1	Sequence 1, Appli	
C 4	44.8	3.6	253	4	US-09-491-356C-13	Sequence 13, Appl	
C 5	44.8	3.6	265	4	US-09-491-356C-13	Sequence 14, Appl	
C 6	44.8	3.6	265	4	US-09-491-356C-16	Sequence 16, Appl	
C 7	44.8	3.6	265	4	US-09-491-356C-17	Sequence 17, Appl	
C 8	44.8	3.6	265	4	US-09-491-356C-18	Sequence 18, Appl	
C 9	44.8	3.6	6794	4	US-09-491-356C-2	Sequence 2, Appli	
C 10	44.8	3.6	55298	4	US-09-491-356C-1	Sequence 1, Appli	
C 11	44.2	3.6	319608	4	US-09-539-333D-1	Sequence 1, Appli	
C 12	44.2	3.6	319608	4	US-09-679-409-1	Sequence 1, Appli	
C 13	43.4	3.5	3302	4	US-09-620-312D-475	Sequence 475, Appl	
C 14	43.2	3.5	2294	4	US-09-086-663A-70	Sequence 70, Appl	
C 15	43.2	3.5	3334	4	US-09-086-663A-1	Sequence 1, Appli	
C 16	43	3.5	6558	4	US-09-491-356C-7	Sequence 7, Appli	
C 17	42.8	3.5	1776	2	US-08-531-927B-1	Sequence 1, Appli	
C 18	42.8	3.5	1776	3	US-09-041-886-12	Sequence 12, Appl	
C 19	42.8	3.5	392000	4	US-10-027-983-11	Sequence 11, Appl	
C 20	42.6	3.4	1037	4	US-09-181-585-3	Sequence 3, Appli	
C 21	42.6	3.4	1159	4	US-09-181-585-1	Sequence 1, Appli	
C 22	42.6	3.4	1471	4	US-09-181-585-2	Sequence 2, Appli	
C 23	42.6	3.4	3292	1	US-07-814-964-12	Sequence 12, Appl	
C 24	42.6	3.4	3292	1	US-08-258-442-12	Sequence 12, Appl	
C 25	42.6	3.4	3292	1	US-08-328-809-7	Sequence 7, Appli	
C 26	42.6	3.4	3292	4	US-08-866-840-7	Sequence 7, Appli	
C 27	42.6	3.4	3292	5	PCT-US92-11107-12	Sequence 12, Appl	

US-09-491-356C-14

Query Match 3.6%; Score 44.8; DB 4; Length 265;
Best Local Similarity 81.2%; Pred. No. 0.0016;
Matches 52; Conservative 0; Mismatches 12; Indels 0; Gaps 0;
QY 873 GCTGCTGCTGCTGCCCGCTGTTGTTGGTGGCTGCAACTGCTGCTGCCGTTGTTTCT 932
Db 158 GCTGTTGCTGCTGCTGCTGTTGTTGTTGCTGCTGCTGCTGCTGCTGCTGCTGCT 99
QY 933 GCTG 936
Db 98 GCTG 95

RESULT 6

US-09-491-356C-16/c
; Sequence 16, Application US/09491356C
; Patent No. 6566061
; GENERAL INFORMATION:
; APPLICANT: Philibert, Robert A.
; APPLICANT: Ginns, Edward I.
; APPLICANT: Delisi, Lynn
; TITLE OF INVENTION: IDENTIFICATION OF POLYMORPHISMS IN THE PCTG4 REGION OF XQ13
; FILE REFERENCE: 9465.6US11
; CURRENT APPLICATION NUMBER: US/09/491,356C
; CURRENT FILING DATE: 2000-01-26
; PRIOR APPLICATION NUMBER: PCT/US99/09365
; PRIOR FILING DATE: 1999-04-29
; PRIOR APPLICATION NUMBER: 60/083,465
; PRIOR FILING DATE: 1998-04-29
; NUMBER OF SEQ ID NOS: 24
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 16
; LENGTH: 265
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-491-356C-16

Query Match 3.6%; Score 44.8; DB 4; Length 265;
Best Local Similarity 81.2%; Pred. No. 0.0016;
Matches 52; Conservative 0; Mismatches 12; Indels 0; Gaps 0;
QY 873 GCTGCTGCTGCTGCCCGCTGTTGTTGGTGGCTGCAACTGCTGCTGCCGTTGTTTCT 932
Db 158 GCTGTTGCTGCTGCTGCTGTTGTTGTTGCTGCTGCTGCTGCTGCTGCTGCTGCT 99
QY 933 GCTG 936
Db 98 GCTG 95

RESULT 7

US-09-491-356C-17/c
; Sequence 17, Application US/09491356C
; Patent No. 6566061
; GENERAL INFORMATION:
; APPLICANT: Philibert, Robert A.
; APPLICANT: Ginns, Edward I.
; APPLICANT: Delisi, Lynn
; TITLE OF INVENTION: IDENTIFICATION OF POLYMORPHISMS IN THE PCTG4 REGION OF XQ13
; FILE REFERENCE: 9465.6US11
; CURRENT APPLICATION NUMBER: US/09/491,356C
; CURRENT FILING DATE: 2000-01-26
; PRIOR APPLICATION NUMBER: PCT/US99/09365
; PRIOR FILING DATE: 1999-04-29
; PRIOR APPLICATION NUMBER: 60/083,465
; PRIOR FILING DATE: 1998-04-29
; NUMBER OF SEQ ID NOS: 24
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 17
; LENGTH: 265
; TYPE: DNA

; ORGANISM: Homo sapiens
US-09-491-356C-17

Query Match 3.6%; Score 44.8; DB 4; Length 265;
Best Local Similarity 81.2%; Pred. No. 0.0016;
Matches 52; Conservative 0; Mismatches 12; Indels 0; Gaps 0;
QY 873 GCTGCTGCTGCTGCCCGCTGTTGTTGGTGGCTGCAACTGCTGCTGCCGTTGTTTCT 932
Db 158 GCTGTTGCTGCTGCTGCTGTTGTTGTTGCTGCTGCTGCTGCTGCTGCTGCTGCT 99
QY 933 GCTG 936
Db 98 GCTG 95

RESULT 8

US-09-491-356C-18/c
; Sequence 18, Application US/09491356C
; Patent No. 6566061
; GENERAL INFORMATION:
; APPLICANT: Philibert, Robert A.
; APPLICANT: Ginns, Edward I.
; APPLICANT: Delisi, Lynn
; TITLE OF INVENTION: IDENTIFICATION OF POLYMORPHISMS IN THE PCTG4 REGION OF XQ13
; FILE REFERENCE: 9465.6US11
; CURRENT APPLICATION NUMBER: US/09/491,356C
; CURRENT FILING DATE: 2000-01-26
; PRIOR APPLICATION NUMBER: PCT/US99/09365
; PRIOR FILING DATE: 1999-04-29
; PRIOR APPLICATION NUMBER: 60/083,465
; PRIOR FILING DATE: 1998-04-29
; NUMBER OF SEQ ID NOS: 24
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 18
; LENGTH: 265
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-491-356C-18

Query Match 3.6%; Score 44.8; DB 4; Length 265;
Best Local Similarity 81.2%; Pred. No. 0.0016;
Matches 52; Conservative 0; Mismatches 12; Indels 0; Gaps 0;
QY 873 GCTGCTGCTGCTGCCCGCTGTTGTTGGTGGCTGCAACTGCTGCTGCCGTTGTTTCT 932
Db 158 GCTGTTGCTGCTGCTGCTGTTGTTGTTGCTGCTGCTGCTGCTGCTGCTGCTGCT 99
QY 933 GCTG 936
Db 98 GCTG 95

RESULT 9

US-09-491-356C-2/c
; Sequence 2, Application US/09491356C
; Patent No. 6566061
; GENERAL INFORMATION:
; APPLICANT: Philibert, Robert A.
; APPLICANT: Ginns, Edward I.
; APPLICANT: Delisi, Lynn
; TITLE OF INVENTION: IDENTIFICATION OF POLYMORPHISMS IN THE PCTG4 REGION OF XQ13
; FILE REFERENCE: 9465.6US11
; CURRENT APPLICATION NUMBER: US/09/491,356C
; CURRENT FILING DATE: 2000-01-26
; PRIOR APPLICATION NUMBER: PCT/US99/09365
; PRIOR FILING DATE: 1999-04-29
; PRIOR APPLICATION NUMBER: 60/083,465
; PRIOR FILING DATE: 1998-04-29
; NUMBER OF SEQ ID NOS: 24
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 2
; LENGTH: 6794

LOCATION: 29388..29502
OTHER INFORMATION: exon D g35018 gene
FEATURE:
NAME/KEY: exon
LOCATION: 29967..30282
OTHER INFORMATION: exon E g35018 gene
FEATURE:
NAME/KEY: exon
LOCATION: 64666..64812
OTHER INFORMATION: exon F g35018 gene
FEATURE:
NAME/KEY: exon
LOCATION: 65505..65853
OTHER INFORMATION: exon G g35018 gene
FEATURE:
NAME/KEY: misc feature
LOCATION: 65854..67854
OTHER INFORMATION: 3'regulatory region g35018 gene
FEATURE:
NAME/KEY: exon
LOCATION: 94124..94964
OTHER INFORMATION: exon g35017
FEATURE:
NAME/KEY: exon
LOCATION: 201188..201234
OTHER INFORMATION: exon S g35030 gene
FEATURE:
NAME/KEY: exon
LOCATION: 214676..214793
OTHER INFORMATION: exon T g35030 gene
FEATURE:
NAME/KEY: exon
LOCATION: 215702..215746
OTHER INFORMATION: exon U g35030 gene
FEATURE:
NAME/KEY: exon
LOCATION: 216836..216915
OTHER INFORMATION: exon V g35030 gene
FEATURE:
NAME/KEY: misc feature
LOCATION: 213818..215818
OTHER INFORMATION: 3'regulatory region g34872 gene
FEATURE:
NAME/KEY: exon
LOCATION: 215819..215941
OTHER INFORMATION: exon R complement g34872 gene
FEATURE:
NAME/KEY: exon
LOCATION: 215819..215975
OTHER INFORMATION: exon Rbis complement g34872 gene
FEATURE:
NAME/KEY: exon
LOCATION: 216661..216952
OTHER INFORMATION: exon Qbis complement g34872 gene
FEATURE:
NAME/KEY: exon
LOCATION: 216661..217061
OTHER INFORMATION: exon Q complement g34872 gene
FEATURE:
NAME/KEY: exon
LOCATION: 217027..217061
OTHER INFORMATION: exon Q1 complement g34872 gene
FEATURE:
NAME/KEY: exon
LOCATION: 229647..229742
OTHER INFORMATION: exon X complement g34872 gene
FEATURE:
NAME/KEY: exon
LOCATION: 230408..230721
OTHER INFORMATION: exon P complement g34872 gene
FEATURE:
NAME/KEY: exon
LOCATION: 231272..231412

OTHER INFORMATION: exon Obis complement g34872 gene
FEATURE:
NAME/KEY: exon
LOCATION: 231787..231880
OTHER INFORMATION: exon O2 complement g34872 gene
FEATURE:
NAME/KEY: exon
LOCATION: 231870..231879
OTHER INFORMATION: exon O1 complement g34872 gene
FEATURE:
NAME/KEY: exon
LOCATION: 234174..234321
OTHER INFORMATION: exon O complement g34872 gene
FEATURE:
NAME/KEY: exon
LOCATION: 237406..237428
OTHER INFORMATION: exon Nbis complement g34872 gene
FEATURE:
NAME/KEY: exon
LOCATION: 239719..239807
OTHER INFORMATION: exon N2 complement g34872 gene
FEATURE:
NAME/KEY: exon
LOCATION: 239719..239853
OTHER INFORMATION: exon N complement g34872 gene
FEATURE:
NAME/KEY: exon
LOCATION: 240528..240569
OTHER INFORMATION: exon M117 complement g34872 gene
FEATURE:
NAME/KEY: exon
LOCATION: 240528..240596
OTHER INFORMATION: exon M1090 complement g34872 gene
FEATURE:
NAME/KEY: exon
LOCATION: 240528..240617
OTHER INFORMATION: exon M1069 complement g34872 gene
FEATURE:
NAME/KEY: exon
LOCATION: 240528..240644
OTHER INFORMATION: exon MS2 complement g34872 gene
FEATURE:
NAME/KEY: exon
LOCATION: 240528..240824
OTHER INFORMATION: exon M862 complement g34872 gene
FEATURE:
NAME/KEY: exon
LOCATION: 240528..240994
OTHER INFORMATION: exon M692 complement g34872 gene
FEATURE:
NAME/KEY: exon
LOCATION: 240528..241685
OTHER INFORMATION: exon M1 complement g34872 gene
FEATURE:
NAME/KEY: exon
LOCATION: 240800..240993
OTHER INFORMATION: exon MS1 complement g34872 gene
FEATURE:
NAME/KEY: misc feature
LOCATION: 241686..243685
OTHER INFORMATION: 5'regulatory region g34872 gene
FEATURE:
NAME/KEY: misc feature
LOCATION: 290852..292652
OTHER INFORMATION: 3'regulatory region g34665 gene
FEATURE:
NAME/KEY: exon
LOCATION: 292653..292841

Query Match 3.6%; Score 44.2; DB 4; Length 319608;
Best Local Similarity 66.0%; Pred. No. 0.22;
Matches 64; Conservative 0; Mismatches 33; Indels 0; Gaps 0;

OTHER INFORMATION: 8-295-125 : polymorphic base C or T
NAME/KEY: allele
LOCATION: 206064
OTHER INFORMATION: 8-293-130 : polymorphic base A or G
NAME/KEY: allele
LOCATION: 206545
OTHER INFORMATION: 8-292-198 : polymorphic base A or G
NAME/KEY: allele
LOCATION: 207313
OTHER INFORMATION: 8-251-322 : polymorphic base A or G
NAME/KEY: allele
LOCATION: 208285
OTHER INFORMATION: 8-289-322 : polymorphic base A or G
NAME/KEY: allele
LOCATION: 208960
OTHER INFORMATION: 8-287-249 : polymorphic base C or T
NAME/KEY: allele
LOCATION: 209123
OTHER INFORMATION: 8-287-86 : polymorphic base A or T
NAME/KEY: allele
LOCATION: 209631
OTHER INFORMATION: 8-285-319 : polymorphic base A or G
NAME/KEY: allele
LOCATION: 210361
OTHER INFORMATION: 8-283-278 : polymorphic base G or C
NAME/KEY: allele
LOCATION: 210463
OTHER INFORMATION: 8-283-176 : polymorphic base A or G
NAME/KEY: allele
LOCATION: 210486
OTHER INFORMATION: 8-283-153 : polymorphic base G or C
NAME/KEY: allele
LOCATION: 210583
OTHER INFORMATION: 8-283-56 : polymorphic base C or T
NAME/KEY: allele
LOCATION: 210879
OTHER INFORMATION: 8-282-345 : polymorphic base G or C
NAME/KEY: allele
LOCATION: 210964
OTHER INFORMATION: 8-282-260 : polymorphic base G or T
NAME/KEY: allele
LOCATION: 210979
OTHER INFORMATION: 8-282-245 : polymorphic base A or C
NAME/KEY: allele
LOCATION: 211050
OTHER INFORMATION: 8-282-174 : variable motif AAAGG or GAAGGAGGAGGAGGAGGA
NAME/KEY: allele
LOCATION: 211132
OTHER INFORMATION: 8-282-92 : polymorphic base A or T
NAME/KEY: allele
LOCATION: 211247
OTHER INFORMATION: 8-281-367 : polymorphic base A or G
NAME/KEY: allele
LOCATION: 211315
OTHER INFORMATION: 8-281-299 : polymorphic base A or G
NAME/KEY: allele
LOCATION: 211366
OTHER INFORMATION: 8-281-248 : polymorphic base G or C
NAME/KEY: allele
LOCATION: 212520
OTHER INFORMATION: 8-279-197 : polymorphic base A or C
NAME/KEY: allele
LOCATION: 212821
OTHER INFORMATION: 8-278-289 : polymorphic base C or T
NAME/KEY: allele

Query Match 3.6%; Score 44.2; DB 4; Length 319608;
Best Local Similarity 66.0%; Pred. No. 0.22;
Matches 64; Conservative 0; Mismatches 33; Indels 0; Gaps 0;

QY 24 TGGATCACTTCTTCTAGGCTGCATACAAAGCACCATAACCTGGTGTAGAACATGG 83
DB 31167 TGTATAGTCTCTTGGCTGCATATAATAACACTGTCTGGGTGGCTTGAACAACAT 31108

QY 84 AAAGGCAATTGCTCAGGTTCCAGAGCTGTAGGTTTC 120
DB 31107 AACCTATTTTCTCACAGTTCTAGGGGCTGGAATCC 31071

RESULT 13

US-09-620-312D-475/c
Sequence 475, Application US/09620312D
Patent No. 6569662
GENERAL INFORMATION:
APPLICANT: Tang, Y. Tom
APPLICANT: Liu, Chenghua
APPLICANT: Asundi, Vinod
APPLICANT: Zhang, Jie
APPLICANT: Ren, Feiyan
APPLICANT: Chen, Rui-hong
APPLICANT: Zhao, Qing A.
APPLICANT: Wehrman, Tom
APPLICANT: Xue, Aidong J.
APPLICANT: Yang, Yonghong
APPLICANT: Wang, Jian-Rui
APPLICANT: Zhou, Ping
APPLICANT: Ma, Yungqing
APPLICANT: Wang, Dunrui
APPLICANT: Wang, Zhiwei
APPLICANT: John Tillinghast
APPLICANT: Drmanac, Radoje T.
TITLE OF INVENTION: No. 6569662el Nucleic Acids and
FILE REFERENCE: 784CIP2B
CURRENT APPLICATION NUMBER: US/09/620,312D
PRIOR FILING DATE: 2000-07-19
PRIOR APPLICATION NUMBER: 09/552,317
PRIOR FILING DATE: 2000-04-25
PRIOR APPLICATION NUMBER: 09/488,725
PRIOR FILING DATE: 2000-01-21
NUMBER OF SEQ ID NOS: 1105
SOFTWARE: pc_FL_genes Version 1.0
SEQ ID NO 475
LENGTH: 3302
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: (98)..(2563)
US-09-620-312D-475

Query Match 3.5%; Score 43.4; DB 4; Length 3302;
Best Local Similarity 69.4%; Pred. No. 0.021; Mismatches 26; Indels 0; Gaps 0;
Matches 59; Conservative 0

QY 873 GCTGCTGCTGCTGCGCGCTGTTTGTGGTGCACATGCTGCTGCGGTTGTTTCT 932
DB 527 GCTGCTGCTGCTGCTGCTGTTGTTGTTGCTGCTGCTGCTGCTGCTGCTGCT 468
QY 933 GCTGTAGNAGAAAAGAGGATTTCG 957
DB 467 GCTGCTGCTGCTGCTGAGGATGACG 443

RESULT 14

US-09-086-663A-70/c
Sequence 70, Application US/09086663A
Patent No. 6518063
GENERAL INFORMATION:
APPLICANT: DUCY, PATRICIA
APPLICANT: KARSENY, GERARD
TITLE OF INVENTION: OSF/CBEAL COMPOSITIONS AND METHODS OF USE
FILE REFERENCE: UTSC:525
CURRENT APPLICATION NUMBER: US/09/086,663A
CURRENT FILING DATE: 1998-05-29
PRIOR APPLICATION NUMBER: 60/080,189

```

; PRIOR FILING DATE: 1998-03-24
; PRIOR APPLICATION NUMBER: 60/048,430
; PRIOR FILING DATE: 1997-05-29
; NUMBER OF SEQ ID NOS: 83
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 70
; LENGTH: 2294
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)..(1644)
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Primer
;
US-09-086-663A-70

Query Match      3.5%; Score 43.2; DB 4; Length 2294;
Best Local Similarity 79.7%; Pred. No. 0.019;
Matches 51; Conservative 0; Mismatches 13; Indels 0; Gaps 0;

QY      873  GCTGCTGCTGCGCGCGTGTGTTGGCTGCAACTGCTGCGCGTGTGTTCT 932
         |||||||
Db       226  GCTGCTGCTGCTGCTGCTGTTGCTGTTGCTGTTGCTGCTGCTGCT 167
         |||||||

QY      933  GCTG 936
         ||||
Db       166  GCTG 163

RESULT 15
US-09-086-663A-1/c
; Sequence 1, Application US/09086663A
; Patent No. 6518063
; GENERAL INFORMATION:
; APPLICANT: DUCY, PATRICIA
; APPLICANT: KARSENTY, GERARD
; TITLE OF INVENTION: OSF2/CBFA1 COMPOSITIONS AND METHODS OF USE
; FILE REFERENCE: UTSC:525
; CURRENT APPLICATION NUMBER: US/09/086,663A
; CURRENT FILING DATE: 1998-05-29
; PRIOR APPLICATION NUMBER: 60/080,189
; PRIOR FILING DATE: 1998-03-24
; PRIOR APPLICATION NUMBER: 60/048,430
; PRIOR FILING DATE: 1997-05-29
; NUMBER OF SEQ ID NOS: 83
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 3334
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Primer
;
US-09-086-663A-1

Query Match      3.5%; Score 43.2; DB 4; Length 3334;
Best Local Similarity 79.7%; Pred. No. 0.024;
Matches 51; Conservative 0; Mismatches 13; Indels 0; Gaps 0;

QY      873  GCTGCTGCTGCGCGCGTGTGTTGGCTGCAACTGCTGCGCGTGTGTTCT 932
         |||||||
Db       534  GCTGCTGCTGCTGCTGCTGTTGCTGTTGCTGTTGCTGCTGCTGCT 475
         |||||||

QY      933  GCTG 936
         ||||
Db       474  GCTG 471

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Search completed: August 6, 2004, 14:50:27
Job time : 98.902 secs

Result No.	Query			DB	ID	Description
	Score	Match	Length			
C 1	51.8	4.4	397	3	US-09-253-691-3	Sequence 3, Appli
C 2	48.2	4.1	325	2	US-08-531-927B-3	Sequence 3, Appli
C 3	47.6	4.1	2733	4	US-08-597-688A-1	Sequence 1, Appli
C 4	44.8	3.8	253	4	US-09-491-356C-13	Sequence 13, Appl
C 5	44.8	3.8	265	4	US-09-491-356C-14	Sequence 14, Appl
C 6	44.8	3.8	265	4	US-09-491-356C-16	Sequence 16, Appl
C 7	44.8	3.8	265	4	US-09-491-356C-17	Sequence 17, Appl
C 8	44.8	3.8	265	4	US-09-491-356C-18	Sequence 18, Appl
C 9	44.8	3.8	6794	4	US-09-491-356C-2	Sequence 2, Appli
C 10	44.8	3.8	55298	4	US-09-491-356C-1	Sequence 1, Appli
C 11	43.4	3.7	3302	4	US-09-620-312D-475	Sequence 475, Appl
C 12	43.2	3.7	2294	4	US-09-086-663A-70	Sequence 70, Appl
C 13	43.2	3.7	3334	4	US-09-086-663A-1	Sequence 1, Appli
C 14	43	3.7	6558	4	US-09-491-356C-7	Sequence 7, Appli
C 15	42.8	3.7	1776	2	US-08-531-927B-1	Sequence 1, Appli
C 16	42.8	3.7	1776	3	US-09-041-886-12	Sequence 12, Appl
C 17	42.6	3.6	1037	4	US-09-181-585-3	Sequence 3, Appli
C 18	42.6	3.6	1159	4	US-09-181-585-1	Sequence 1, Appli
C 19	42.6	3.6	1471	4	US-09-181-585-2	Sequence 2, Appli
C 20	42.6	3.6	3292	1	US-07-814-964-12	Sequence 12, Appl
C 21	42.6	3.6	3292	1	US-08-258-443-12	Sequence 12, Appl
C 22	42.6	3.6	3292	1	US-08-328-809-7	Sequence 7, Appli
C 23	42.6	3.6	3292	4	US-08-866-840-7	Sequence 7, Appli
C 24	42.6	3.6	3292	5	PCN-US92-11107-12	Sequence 12, Appl
C 25	42.4	3.6	1836	4	US-09-475-515-47	Sequence 47, Appl
C 26	42.4	3.6	1944	4	US-09-475-515-46	Sequence 46, Appl
C 27	42.4	3.6	2025	4	US-09-475-515-45	Sequence 45, Appl

US-09-491-356C-14

Query Match 3.8%; Score 44.8; DB 4; Length 265;
Best Local Similarity 81.2%; Pred. No. 0.0018;
Matches 52; Conservative 0; Mismatches 12; Indels 0; Gaps 0;
QY 801 GCTGCTGCTGCGCCGCTGTTGTGGTGCACACTGCTGCTGCCGTTGTTTCT 860
Db 158 GCTGTTGCTGCTGCTGCTGTTGCTGTTGCTGCTGCTGCTGCTGCTGCTGCT 99
QY 861 GCTG 864
Db 98 GCTG 95

RESULT 6

US-09-491-356C-16/c
; Sequence 16, Application US/09491356C
; Patent No. 6566061
; GENERAL INFORMATION:
; APPLICANT: Philibert, Robert A.
; APPLICANT: Ginns, Edward I.
; APPLICANT: Delisi, Lynn
; TITLE OF INVENTION: IDENTIFICATION OF POLYMORPHISMS IN THE PCTG4 REGION OF XQ13
; FILE REFERENCE: 9465.6US11
; CURRENT APPLICATION NUMBER: US/09/491,356C
; CURRENT FILING DATE: 2000-01-26
; PRIOR APPLICATION NUMBER: PCT/US99/09365
; PRIOR FILING DATE: 1999-04-29
; PRIOR APPLICATION NUMBER: 60/083,465
; PRIOR FILING DATE: 1998-04-29
; NUMBER OF SEQ ID NOS: 24
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 16
; LENGTH: 265
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-491-356C-16

Query Match 3.8%; Score 44.8; DB 4; Length 265;
Best Local Similarity 81.2%; Pred. No. 0.0018;
Matches 52; Conservative 0; Mismatches 12; Indels 0; Gaps 0;
QY 801 GCTGCTGCTGCGCCGCTGTTGTGGTGCACACTGCTGCTGCCGTTGTTTCT 860
Db 158 GCTGTTGCTGCTGCTGCTGTTGCTGTTGCTGCTGCTGCTGCTGCTGCTGCT 99
QY 861 GCTG 864
Db 98 GCTG 95

RESULT 7

US-09-491-356C-17/c
; Sequence 17, Application US/09491356C
; Patent No. 6566061
; GENERAL INFORMATION:
; APPLICANT: Philibert, Robert A.
; APPLICANT: Ginns, Edward I.
; APPLICANT: Delisi, Lynn
; TITLE OF INVENTION: IDENTIFICATION OF POLYMORPHISMS IN THE PCTG4 REGION OF XQ13
; FILE REFERENCE: 9465.6US11
; CURRENT APPLICATION NUMBER: US/09/491,356C
; CURRENT FILING DATE: 2000-01-26
; PRIOR APPLICATION NUMBER: PCT/US99/09365
; PRIOR FILING DATE: 1999-04-29
; PRIOR APPLICATION NUMBER: 60/083,465
; PRIOR FILING DATE: 1998-04-29
; NUMBER OF SEQ ID NOS: 24
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 17
; LENGTH: 265
; TYPE: DNA

; ORGANISM: Homo sapiens
US-09-491-356C-17

Query Match 3.8%; Score 44.8; DB 4; Length 265;
Best Local Similarity 81.2%; Pred. No. 0.0018;
Matches 52; Conservative 0; Mismatches 12; Indels 0; Gaps 0;
QY 801 GCTGCTGCTGCGCCGCTGTTGTGGTGCACACTGCTGCTGCCGTTGTTTCT 860
Db 158 GCTGTTGCTGCTGCTGCTGTTGCTGTTGCTGCTGCTGCTGCTGCTGCTGCT 99
QY 861 GCTG 864
Db 98 GCTG 95

RESULT 8

US-09-491-356C-18/c
; Sequence 18, Application US/09491356C
; Patent No. 6566061
; GENERAL INFORMATION:
; APPLICANT: Philibert, Robert A.
; APPLICANT: Ginns, Edward I.
; APPLICANT: Delisi, Lynn
; TITLE OF INVENTION: IDENTIFICATION OF POLYMORPHISMS IN THE PCTG4 REGION OF XQ13
; FILE REFERENCE: 9465.6US11
; CURRENT APPLICATION NUMBER: US/09/491,356C
; CURRENT FILING DATE: 2000-01-26
; PRIOR APPLICATION NUMBER: PCT/US99/09365
; PRIOR FILING DATE: 1999-04-29
; PRIOR APPLICATION NUMBER: 60/083,465
; PRIOR FILING DATE: 1998-04-29
; NUMBER OF SEQ ID NOS: 24
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 18
; LENGTH: 265
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-491-356C-18

Query Match 3.8%; Score 44.8; DB 4; Length 265;
Best Local Similarity 81.2%; Pred. No. 0.0018;
Matches 52; Conservative 0; Mismatches 12; Indels 0; Gaps 0;
QY 801 GCTGCTGCTGCGCCGCTGTTGTGGTGCACACTGCTGCTGCCGTTGTTTCT 860
Db 158 GCTGTTGCTGCTGCTGCTGTTGCTGTTGCTGCTGCTGCTGCTGCTGCTGCT 99
QY 861 GCTG 864
Db 98 GCTG 95

RESULT 9

US-09-491-356C-2/c
; Sequence 2, Application US/09491356C
; Patent No. 6566061
; GENERAL INFORMATION:
; APPLICANT: Philibert, Robert A.
; APPLICANT: Ginns, Edward I.
; APPLICANT: Delisi, Lynn
; TITLE OF INVENTION: IDENTIFICATION OF POLYMORPHISMS IN THE PCTG4 REGION OF XQ13
; FILE REFERENCE: 9465.6US11
; CURRENT APPLICATION NUMBER: US/09/491,356C
; CURRENT FILING DATE: 2000-01-26
; PRIOR APPLICATION NUMBER: PCT/US99/09365
; PRIOR FILING DATE: 1999-04-29
; PRIOR APPLICATION NUMBER: 60/083,465
; PRIOR FILING DATE: 1998-04-29
; NUMBER OF SEQ ID NOS: 24
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 2
; LENGTH: 6794

Best Local Similarity 81.2%; Pred. No. 0.043;
Matches 52; Conservative 0; Mismatches 12; Indels 0; Gaps 0;

Qy 801 GCTGCTGCTGCGCGCGTGTGTTGCTGCAACTGCTGCGTGTGTTGCT 860
Db 23944 GCTGTTGCTGCTGCTGCTGTTGCTGCTGCTGCTGCTGCTGCTGCT 23885

Qy 861 GCTG 864
Db 23884 GCTG 23881

RESULT 11
US-09-620-312D-475/c
; Sequence 475, Application US/09620312D
; Patent No. 6569662
; GENERAL INFORMATION:
; APPLICANT: Tang, Y. Tom
; APPLICANT: Liu, Chenghua
; APPLICANT: Asundi, Vinod
; APPLICANT: Zhang, Jie
; APPLICANT: Ren, Feiyan
; APPLICANT: Chen, Rui-hong
; APPLICANT: Zhao, Qing A.
; APPLICANT: Wehrman, Tom
; APPLICANT: Xue, Aildong J.
; APPLICANT: Yang, Yonghong
; APPLICANT: Wang, Jian-Rui
; APPLICANT: Zhou, Ping
; APPLICANT: Ma, Yunqing
; APPLICANT: Wang, Dunrui
; APPLICANT: Wang, Zhiwei
; APPLICANT: John Tillinghast
; APPLICANT: Dmanac, Radolje T.
; TITLE OF INVENTION: No. 6569662el Nucleic Acids and
; TITLE OF INVENTION: Polypeptides
; FILE REFERENCE: 784CIF2B
; CURRENT APPLICATION NUMBER: US/09/620,312D
; CURRENT FILING DATE: 2000-07-19
; PRIOR APPLICATION NUMBER: 09/552,317
; PRIOR FILING DATE: 2000-04-25
; PRIOR APPLICATION NUMBER: 09/488,725
; PRIOR FILING DATE: 2000-01-21
; NUMBER OF SEQ ID NOS: 1105
; SOFTWARE: pt_FL_genes Version 1.0
; SEQ ID NO 475
; LENGTH: 3302
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (98)..(2563)
US-09-620-312D-475

Query Match 3.7%; Score 43.4; DB 4; Length 3302;
Best Local Similarity 69.4%; Pred. No. 0.021; Indels 0; Gaps 0;
Matches 59; Conservative 0; Mismatches 26;

Qy 801 GCTGCTGCTGCGCGCGTGTGTTGCTGCAACTGCTGCGTGTGTTGCT 860
Db 527 GCTGCTGCTGCTGCTGCTGTTGCTGCTGCTGCTGCTGCTGCTGCT 468

Qy 861 GCTGTAGAGAAAAAGAGATTTCG 885
Db 467 GCTGCTGCTGCTGCTGCTGAGGATGACG 443

RESULT 12
US-09-086-663A-70/c
; Sequence 70, Application US/09086663A
; Patent No. 6518063
; GENERAL INFORMATION:
; APPLICANT: DUCY, PATRICIA

TYPE: DNA
; ORGANISM: Homo sapiens
US-09-491-356C-2

Query Match 3.8%; Score 44.8; DB 4; Length 6794;
Best Local Similarity 76.4%; Pred. No. 0.012;
Matches 55; Conservative 0; Mismatches 17; Indels 0; Gaps 0;

Qy 801 GCTGCTGCTGCGCGCGTGTGTTGCTGCAACTGCTGCGTGTGTTGCT 860
Db 6349 GCTGTGCTGCTGCTGCTGTTGCTGCTGCTGCTGCTGCTGCTGCT 6290

Qy 861 GCTGTAGAGAA 872
Db 6289 GCTGCTGCGCA 6278

RESULT 10
US-09-491-356C-1/c
; Sequence 1, Application US/09491356C
; Patent No. 6566061
; GENERAL INFORMATION:
; APPLICANT: Philibert, Robert A.
; APPLICANT: Ginns, Edward I.
; APPLICANT: Delisi, Lynn
; TITLE OF INVENTION: IDENTIFICATION OF POLYMORPHISMS IN THE PCTG4 REGION OF XQ13
; FILE REFERENCE: 9465.6US11
; CURRENT APPLICATION NUMBER: US/09/491,356C
; CURRENT FILING DATE: 2000-01-26
; PRIOR APPLICATION NUMBER: PCT/US99/09365
; PRIOR FILING DATE: 1999-04-29
; PRIOR APPLICATION NUMBER: 60/083,465
; PRIOR FILING DATE: 1998-04-29
; NUMBER OF SEQ ID NOS: 24
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1
; LENGTH: 55298
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc.feature
; LOCATION: (485)..(485)
; OTHER INFORMATION: n is not determined
; NAME/KEY: misc.feature
; LOCATION: (838)..(838)
; OTHER INFORMATION: n is not determined
; NAME/KEY: misc.feature
; LOCATION: (16728)..(16728)
; OTHER INFORMATION: n is not determined
; NAME/KEY: misc.feature
; LOCATION: (22750)..(22750)
; OTHER INFORMATION: n is not determined
; NAME/KEY: misc.feature
; LOCATION: (22756)..(22756)
; OTHER INFORMATION: n is not determined
; NAME/KEY: misc.feature
; LOCATION: (28519)..(28519)
; OTHER INFORMATION: n is not determined
; NAME/KEY: misc.feature
; LOCATION: (44804)..(44804)
; OTHER INFORMATION: n is not determined
; NAME/KEY: misc.feature
; LOCATION: (45002)..(45002)
; OTHER INFORMATION: n is not determined
; NAME/KEY: misc.feature
; LOCATION: (54049)..(54049)
; OTHER INFORMATION: n is not determined
; NAME/KEY: misc.feature
; LOCATION: (54226)..(54226)
; OTHER INFORMATION: n is not determined
US-09-491-356C-1

Query Match 3.8%; Score 44.8; DB 4; Length 55298;

; APPLICANT: KARSENTY, GERARD
; TITLE OF INVENTION: OSF2/CBFAI COMPOSITIONS AND METHODS OF USE
; FILE REFERENCE: UTSC:525
; CURRENT APPLICATION NUMBER: US/09/086,663A
; CURRENT FILING DATE: 1998-05-29
; PRIOR APPLICATION NUMBER: 60/080,189
; PRIOR FILING DATE: 1998-03-24
; PRIOR APPLICATION NUMBER: 60/048,430
; PRIOR FILING DATE: 1997-05-29
; NUMBER OF SEQ ID NOS: 83
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 70
; LENGTH: 2294
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)..(1644)
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Primer
US-09-086-663A-70

Query Match 3.7%; Score 43.2; DB 4; Length 2294;
Best Local Similarity 79.7%; Pred. No. 0.019; Mismatches 13; Indels 0; Gaps 0;
Matches 51; Conservative 0;
QY 801 GCTGCTGCTGCCCGCTGTTGTGGTGCACACTGCTGCGCGTGTGTTCT 860
Db 226 GCTGCTGCTGCTGCTGTTGTGTTGTTGTTGTTGTTGTTGTTGTTCT 167
QY 861 GCTG 864
Db 166 GCTG 163

RESULT 13
US-09-086-663A-1/c
; Sequence 1, Application US/09086663A
; Patent No. 6518063
; GENERAL INFORMATION:
; APPLICANT: KARSENTY, GERARD
; TITLE OF INVENTION: OSF2/CBFAI COMPOSITIONS AND METHODS OF USE
; FILE REFERENCE: UTSC:525
; CURRENT APPLICATION NUMBER: US/09/086,663A
; CURRENT FILING DATE: 1998-05-29
; PRIOR APPLICATION NUMBER: 60/080,189
; PRIOR FILING DATE: 1998-03-24
; PRIOR APPLICATION NUMBER: 60/048,430
; PRIOR FILING DATE: 1997-05-29
; NUMBER OF SEQ ID NOS: 83
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 3334
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Primer
US-09-086-663A-1

Query Match 3.7%; Score 43.2; DB 4; Length 3334;
Best Local Similarity 79.7%; Pred. No. 0.024; Mismatches 13; Indels 0; Gaps 0;
Matches 51; Conservative 0;
QY 801 GCTGCTGCTGCCCGCTGTTGTGGTGCACACTGCTGCGCGTGTGTTCT 860
Db 534 GCTGCTGCTGCTGCTGTTGTTGTTGTTGTTGTTGTTGTTGTTCT 475
QY 861 GCTG 864
Db 474 GCTG 471

RESULT 14
US-09-491-356C-7/c
; Sequence 7, Application US/09491356C
; Patent No. 6566061
; GENERAL INFORMATION:
; APPLICANT: Philibert, Robert A.
; APPLICANT: Ginns, Edward I.
; APPLICANT: Delisi, Lynn
; TITLE OF INVENTION: IDENTIFICATION OF POLYMORPHISMS IN THE PCTG4 REGION OF XQ13
; FILE REFERENCE: 9465.6US11
; CURRENT APPLICATION NUMBER: US/09/491,356C
; CURRENT FILING DATE: 2000-01-26
; PRIOR APPLICATION NUMBER: PCT/US99/09365
; PRIOR FILING DATE: 1999-04-29
; PRIOR APPLICATION NUMBER: 60/083,465
; PRIOR FILING DATE: 1998-04-29
; NUMBER OF SEQ ID NOS: 24
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 7
; LENGTH: 6558
; TYPE: DNA
; ORGANISM: Mus musculus
US-09-491-356C-7

Query Match 3.7%; Score 43; DB 4; Length 6558;
Best Local Similarity 77.8%; Pred. No. 0.041; Mismatches 52; Conservative 0; Indels 0; Gaps 0;
QY 801 GCTGCTGCTGCCCGCTGTTGTGGTGCACACTGCTGCGCGTGTGTTCT 860
Db 6181 GCTGCTGCTGCTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTCT 6122
QY 861 GCTGCTAG 867
Db 6121 GCTGTTG 6115

RESULT 15
US-08-531-927B-1/c
; Sequence 1, Application US/08531927B
; Patent No. 5840491
; GENERAL INFORMATION:
; APPLICANT: Kakizuka, Akira
; TITLE OF INVENTION: DNA Sequence Encoding the Machado-Joseph
; TITLE OF INVENTION: Disease Gene and Uses Thereof
; NUMBER OF SEQUENCES: 23
; CORRESPONDENCE ADDRESS:
; ADDRESSER: Hamilton, Brook, Smith & Reynolds, P.C.
; STREET: Two Militia Drive
; CITY: Lexington
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02173-4799
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/531,927B
; FILING DATE: 21-SEP-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: JP H6-251600
; FILING DATE: 21-SEP-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Granahan, Patricia
; REGISTRATION NUMBER: 32,227
; REFERENCE/DOCKET NUMBER: ATH95-01A
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 617-861-6240

Search completed: August 6, 2004, 14:50:25
Job time : 92.2755 secs


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US-09-491-356C-14
Query Match      3.8%; Score 44.8; DB 4; Length 265;
Best Local Similarity 81.2%; Pred. No. 0.0032;
Matches 52; Conservative 0; Mismatches 12; Indels 0; Gaps 0;

QY 808 GCTGCTGCTGCTGCGCCGCGTGTGTGCTGCTGCAACTGCTGCTGCGTGTGTGTTCT 867
    |||||
Db 158 GCTGTTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 867
    |||||
QY 868 GCTG 871
    |||||
Db 98 GCTG 95

RESULT 6
US-09-491-356C-16/c
; Sequence 16, Application US/09491356C
; Patent No. 6566061
; GENERAL INFORMATION:
; APPLICANT: Philibert, Robert A.
; APPLICANT: Ginns, Edward I.
; APPLICANT: Delisi, Lynn
; TITLE OF INVENTION: IDENTIFICATION OF POLYMORPHISMS IN THE PCTG4 REGION OF XQ13
; FILE REFERENCE: 9465.6US11
; CURRENT APPLICATION NUMBER: US/09/491,356C
; CURRENT FILING DATE: 2000-01-26
; PRIOR APPLICATION NUMBER: PCT/US99/09365
; PRIOR FILING DATE: 1999-04-29
; PRIOR APPLICATION NUMBER: 60/083,465
; PRIOR FILING DATE: 1998-04-29
; NUMBER OF SEQ ID NOS: 24
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 16
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-491-356C-16

Query Match      3.8%; Score 44.8; DB 4; Length 265;
Best Local Similarity 81.2%; Pred. No. 0.0032;
Matches 52; Conservative 0; Mismatches 12; Indels 0; Gaps 0;

QY 808 GCTGCTGCTGCTGCGCCGCGTGTGTGCTGCTGCAACTGCTGCTGCGTGTGTGTTCT 867
    |||||
Db 158 GCTGTTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 867
    |||||
QY 868 GCTG 871
    |||||
Db 98 GCTG 95

RESULT 7
US-09-491-356C-17/c
; Sequence 17, Application US/09491356C
; Patent No. 6566061
; GENERAL INFORMATION:
; APPLICANT: Philibert, Robert A.
; APPLICANT: Ginns, Edward I.
; APPLICANT: Delisi, Lynn
; TITLE OF INVENTION: IDENTIFICATION OF POLYMORPHISMS IN THE PCTG4 REGION OF XQ13
; FILE REFERENCE: 9465.6US11
; CURRENT APPLICATION NUMBER: US/09/491,356C
; CURRENT FILING DATE: 2000-01-26
; PRIOR APPLICATION NUMBER: PCT/US99/09365
; PRIOR FILING DATE: 1999-04-29
; PRIOR APPLICATION NUMBER: 60/083,465
; PRIOR FILING DATE: 1998-04-29
; NUMBER OF SEQ ID NOS: 24
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 17
; LENGTH: 265
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-491-356C-17/c

Query Match      3.8%; Score 44.8; DB 4; Length 265;
Best Local Similarity 81.2%; Pred. No. 0.0032;
Matches 52; Conservative 0; Mismatches 12; Indels 0; Gaps 0;

QY 808 GCTGCTGCTGCTGCGCCGCGTGTGTGCTGCTGCAACTGCTGCTGCGTGTGTGTTCT 867
    |||||
Db 158 GCTGTTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 867
    |||||
QY 868 GCTG 871
    |||||
Db 98 GCTG 95

RESULT 8
US-09-491-356C-18/c
; Sequence 18, Application US/09491356C
; Patent No. 6566061
; GENERAL INFORMATION:
; APPLICANT: Philibert, Robert A.
; APPLICANT: Ginns, Edward I.
; APPLICANT: Delisi, Lynn
; TITLE OF INVENTION: IDENTIFICATION OF POLYMORPHISMS IN THE PCTG4 REGION OF XQ13
; FILE REFERENCE: 9465.6US11
; CURRENT APPLICATION NUMBER: US/09/491,356C
; CURRENT FILING DATE: 2000-01-26
; PRIOR APPLICATION NUMBER: PCT/US99/09365
; PRIOR FILING DATE: 1999-04-29
; PRIOR APPLICATION NUMBER: 60/083,465
; PRIOR FILING DATE: 1998-04-29
; NUMBER OF SEQ ID NOS: 24
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 18
; LENGTH: 265
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-491-356C-18/c

Query Match      3.8%; Score 44.8; DB 4; Length 265;
Best Local Similarity 81.2%; Pred. No. 0.0032;
Matches 52; Conservative 0; Mismatches 12; Indels 0; Gaps 0;

QY 808 GCTGCTGCTGCTGCGCCGCGTGTGTGCTGCTGCAACTGCTGCTGCGTGTGTGTTCT 867
    |||||
Db 158 GCTGTTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 867
    |||||
QY 868 GCTG 871
    |||||
Db 98 GCTG 95

RESULT 9
US-09-491-356C-2/c
; Sequence 2, Application US/09491356C
; Patent No. 6566061
; GENERAL INFORMATION:
; APPLICANT: Philibert, Robert A.
; APPLICANT: Ginns, Edward I.
; APPLICANT: Delisi, Lynn
; TITLE OF INVENTION: IDENTIFICATION OF POLYMORPHISMS IN THE PCTG4 REGION OF XQ13
; FILE REFERENCE: 9465.6US11
; CURRENT APPLICATION NUMBER: US/09/491,356C
; CURRENT FILING DATE: 2000-01-26
; PRIOR APPLICATION NUMBER: PCT/US99/09365
; PRIOR FILING DATE: 1999-04-29
; PRIOR APPLICATION NUMBER: 60/083,465
; PRIOR FILING DATE: 1998-04-29
; NUMBER OF SEQ ID NOS: 24
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 2
; LENGTH: 6794
; ORGANISM: Homo sapiens
US-09-491-356C-17
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; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-491-356C-2

Query Match      3.8%; Score 44.8; DB 4; Length 6794;
Best Local Similarity 76.4%; Pred. No. 0.019;
Matches 55; Conservative 0; Mismatches 17; Indels 0; Gaps 0;

QY 808 GCTGCTGCTGCGCGGTCGTTGTTGCTGCAACTGCTGCGGTTGTTGTTCT 867
Db 6349 GCTGTTGCTGCTGCTGTTGCTGTTGCTGCTGCTGCTGCTGCTGCTGCT 6290

QY 868 GCTGTAGAAGAA 879
Db 6289 GCTGCTGCCGA 6278

RESULT 10
US-09-491-356C-1/c
; Sequence 1, Application US/09491356C
; Patent No. 6566061
; GENERAL INFORMATION:
; APPLICANT: Philibert, Robert A.
; APPLICANT: Ginns, Edward I.
; APPLICANT: Delisi, Lynn
; TITLE OF INVENTION: IDENTIFICATION OF POLYMORPHISMS IN THE PCTG4 REGION OF XQ13
; FILE REFERENCE: 9465 6US11
; CURRENT APPLICATION NUMBER: US/09/491,356C
; CURRENT FILING DATE: 2000-01-26
; PRIOR APPLICATION NUMBER: PCT/US99/09365
; PRIOR FILING DATE: 1999-04-29
; PRIOR APPLICATION NUMBER: 60/083,465
; PRIOR FILING DATE: 1998-04-29
; NUMBER OF SEQ ID NOS: 24
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 1
; LENGTH: 55298
; TYPE: DNA
; ORGANISM: Homo sapiens
; NAME/KEY: misc_feature
; LOCATION: (485)..(485)
; OTHER INFORMATION: n is not determined
; NAME/KEY: misc_feature
; LOCATION: (838)..(838)
; OTHER INFORMATION: n is not determined
; NAME/KEY: misc_feature
; LOCATION: (16728)..(16728)
; OTHER INFORMATION: n is not determined
; NAME/KEY: misc_feature
; LOCATION: (22750)..(22750)
; OTHER INFORMATION: n is not determined
; NAME/KEY: misc_feature
; LOCATION: (22756)..(22756)
; OTHER INFORMATION: n is not determined
; NAME/KEY: misc_feature
; LOCATION: (28519)..(28519)
; OTHER INFORMATION: n is not determined
; NAME/KEY: misc_feature
; LOCATION: (44804)..(44804)
; OTHER INFORMATION: n is not determined
; NAME/KEY: misc_feature
; LOCATION: (45002)..(45002)
; OTHER INFORMATION: n is not determined
; NAME/KEY: misc_feature
; LOCATION: (54049)..(54049)
; OTHER INFORMATION: n is not determined
; NAME/KEY: misc_feature
; LOCATION: (54226)..(54226)
; OTHER INFORMATION: n is not determined
US-09-491-356C-1

Query Match      3.8%; Score 44.8; DB 4; Length 55298;
Best Local Similarity 76.4%; Pred. No. 0.019;
Matches 55; Conservative 0; Mismatches 17; Indels 0; Gaps 0;

QY 808 GCTGCTGCTGCGCGGTCGTTGTTGCTGCAACTGCTGCGGTTGTTGTTCT 867
Db 6349 GCTGTTGCTGCTGCTGTTGCTGTTGCTGCTGCTGCTGCTGCTGCTGCT 6290

QY 868 GCTGTAGAAGAA 879
Db 6289 GCTGCTGCCGA 6278

RESULT 11
US-09-620-312D-475/c
; Sequence 475, Application US/09620312D
; Patent No. 6569662
; GENERAL INFORMATION:
; APPLICANT: Tang, Y. Tom
; APPLICANT: Liu, Chenghua
; APPLICANT: Asundi, Vinod
; APPLICANT: Zhang, Jie
; APPLICANT: Ren, Feiyan
; APPLICANT: Chen, Rui-hong
; APPLICANT: Zhao, Qing A.
; APPLICANT: Wehrman, Tom
; APPLICANT: Xue, Aidong J.
; APPLICANT: Yang, Yonghong
; APPLICANT: Wang, Jian-Rui
; APPLICANT: Zhou, Ping
; APPLICANT: Ma, Yunqing
; APPLICANT: Wang, Dunrui
; APPLICANT: Wang, Zhiwei
; APPLICANT: John Tillinghast
; APPLICANT: Drmanac, Radoje T.
; TITLE OF INVENTION: No. 6569662el Nucleic Acids and
; TITLE OF INVENTION: Polypeptides
; FILE REFERENCE: 784CIP2B
; CURRENT APPLICATION NUMBER: US/09/620,312D
; CURRENT FILING DATE: 2000-07-19
; PRIOR APPLICATION NUMBER: 09/552,317
; PRIOR FILING DATE: 2000-04-25
; PRIOR APPLICATION NUMBER: 09/488,725
; PRIOR FILING DATE: 2000-01-21
; NUMBER OF SEQ ID NOS: 1105
; SOFTWARE: pt_FL_genes Version 1.0
; SEQ ID NO 475
; LENGTH: 3302
; TYPE: DNA
; ORGANISM: Homo sapiens
; NAME/KEY: CDS
; LOCATION: (98)..(2563)
US-09-620-312D-475

Query Match      3.7%; Score 43.4; DB 4; Length 3302;
Best Local Similarity 69.4%; Pred. No. 0.033;
Matches 59; Conservative 0; Mismatches 26; Indels 0; Gaps 0;

QY 808 GCTGCTGCTGCTGCGCGGTCGTTGTTGCTGCAACTGCTGCGGTTGTTGTTCT 867
Db 527 GCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 468

QY 868 GCTGTAGAAGAA 892
Db 467 GCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 443

RESULT 12
US-09-086-663A-70/c
; Sequence 70, Application US/09086663A
; Patent No. 6518063
; GENERAL INFORMATION:
; APPLICANT: DUCY, PATRICIA
```

APPLICANT: KARSENTY, GERARD
TITLE OF INVENTION: OSF2/CBFA1 COMPOSITIONS AND METHODS OF USE
FILE REFERENCE: UTSC:525
CURRENT APPLICATION NUMBER: US/09/086,663A
CURRENT FILING DATE: 1998-05-29
PRIOR APPLICATION NUMBER: 60/080,189
PRIOR FILING DATE: 1998-03-24
PRIOR APPLICATION NUMBER: 60/048,430
PRIOR FILING DATE: 1997-05-29
NUMBER OF SEQ ID NOS: 83
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 70
LENGTH: 2294
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
NAME/KEY: CDS
LOCATION: (1)..(1644)
OTHER INFORMATION: Description of Artificial Sequence: Synthetic
OTHER INFORMATION: Primer
US-09-086-663A-70

Query Match 3.7%; Score 43.2; DB 4; Length 2294;
Best Local Similarity 79.7%; Pred. No. 0.03;
Matches 51; Conservative 0; Mismatches 13; Indels 0; Gaps 0;
QY 808 GCTGCTGCTGCTCCGCGTGTGTGTGGTGCACACTGCTGTCGCGTGTGTGTCT 867
Db 226 GCTGCTGCTGCTGCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 867
QY 868 GCTG 871
Db 166 GCTG 163

RESULT 13
US-09-086-663A-1/c
Sequence 1, Application US/09086663A
Patent No. 6518063
GENERAL INFORMATION:
APPLICANT: KARSENTY, GERARD
APPLICANT: DUCY, PATRICIA
FILE REFERENCE: UTSC:525
CURRENT APPLICATION NUMBER: US/09/086,663A
CURRENT FILING DATE: 1998-05-29
PRIOR APPLICATION NUMBER: 60/080,189
PRIOR FILING DATE: 1998-03-24
PRIOR APPLICATION NUMBER: 60/048,430
PRIOR FILING DATE: 1997-05-29
NUMBER OF SEQ ID NOS: 83
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 1
LENGTH: 3334
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Synthetic
OTHER INFORMATION: Primer
US-09-086-663A-1

Query Match 3.7%; Score 43.2; DB 4; Length 3334;
Best Local Similarity 79.7%; Pred. No. 0.037;
Matches 51; Conservative 0; Mismatches 13; Indels 0; Gaps 0;
QY 808 GCTGCTGCTGCTCCGCGTGTGTGTGGTGCACACTGCTGTCGCGTGTGTCT 867
Db 534 GCTGCTGCTGCTGCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 867
QY 868 GCTG 871
Db 474 GCTG 471

RESULT 14
US-09-491-356C-7/c
Sequence 7, Application US/09491356C
Patent No. 6566061
GENERAL INFORMATION:
APPLICANT: Philibert, Robert A.
APPLICANT: Ginns, Edward I.
APPLICANT: Delisi, Lynn
TITLE OF INVENTION: IDENTIFICATION OF POLYMORPHISMS IN THE PCTG4 REGION OF XQ13
FILE REFERENCE: 9465.6US11
CURRENT APPLICATION NUMBER: US/09/491,356C
CURRENT FILING DATE: 2000-01-26
PRIOR APPLICATION NUMBER: PCT/US99/09365
PRIOR FILING DATE: 1999-04-29
PRIOR APPLICATION NUMBER: 60/083,465
PRIOR FILING DATE: 1998-04-29
NUMBER OF SEQ ID NOS: 24
SOFTWARE: PatentIn version 3.1
SEQ ID NO 7
LENGTH: 6558
TYPE: DNA
ORGANISM: Mus musculus
US-09-491-356C-7

Query Match 3.7%; Score 43; DB 4; Length 6558;
Best Local Similarity 77.6%; Pred. No. 0.062;
Matches 52; Conservative 0; Mismatches 15; Indels 0; Gaps 0;
QY 808 GCTGCTGCTGCTCCGCGTGTGTGTGGTGCACACTGCTGTCGCGTGTGTCT 867
Db 6181 GCTGCTGCTGCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 6122
QY 868 GCTGTAG 874
Db 6121 GCTGTG 6115

RESULT 15
US-08-531-927B-1/c
Sequence 1, Application US/08531927B
Patent No. 5840491
GENERAL INFORMATION:
APPLICANT: Kakizuka, Akira
TITLE OF INVENTION: DNA Sequence Encoding the Machado-Joseph
Patent No. 5840491
TITLE OF INVENTION: Disease Gene and Uses Thereof
NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS:
ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.
STREET: Two Militia Drive
CITY: Lexington
STATE: Massachusetts
COUNTRY: USA
ZIP: 02173-4799
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/531,927B
FILING DATE: 21-SEP-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP H6-251600
FILING DATE: 21-SEP-1994
ATTORNEY/AGENT INFORMATION:
NAME: Granahan, Patricia
REGISTRATION NUMBER: 32,227
REFERENCE/DOCKET NUMBER: ATH95-01A
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617-861-6240

